FULASEAL 780 PLUMBERS SILICONE

SAFETY DATA SHEET

SECTION 1: IDENTIFICATION OF THE PRODUCT AND SUPPLIER

PRODUCT INFORMATION
PRODUCT: FULASEAL 780 PLUMBERS SILICONE
PRODUCT DESCRIPTION: Silicone
INTENDED USE: Industrial adhesive
PRODUCT IDENTIFIER: 840713PM

COMPANY INFORMATION
H.B. Fuller Company Australia Pty. Ltd.
16 - 22 Red Gum Drive
Dandenong South, VIC 3175
Telephone: (03) 9797 6222
Emergency telephone No: 1800 033 111
Emergency Tel NZ: 0800 734 607 (or IDD +64 473 4607)

SECTION 2: HAZARDS IDENTIFICATION

GHS Hazard Symbols:

GHS Symbol name(s): Exclamation mark
GHS Signal Word: Warning
GHS Classification: Skin Sensitisation Category 1; Serious Eye Damage/Eye Irritation Category 2A
GHS Hazard Phrases: May cause an allergic skin reaction. Causes serious eye irritation.

GHS Precautions:
First Aid Measures: IF ON SKIN: Wash with plenty of soap and water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If skin irritation or rash occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Wash contaminated clothing before reuse.
Disposal: Dispose of contents/container in accordance with local/regional/national/international regulation for hazardous wastes.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS #</th>
<th>PERCENT</th>
<th>Classification</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mineral oil</td>
<td>64742-46-7</td>
<td>10 - 30</td>
<td>Acute Tox. 4; H332</td>
<td>Note N</td>
</tr>
<tr>
<td>Amorphous silica</td>
<td>7631-86-9</td>
<td>5 - 10</td>
<td></td>
<td>* (see below)</td>
</tr>
<tr>
<td>Silane</td>
<td>2224-33-1</td>
<td>1 - 5</td>
<td>Eye Dam. 1; H318</td>
<td></td>
</tr>
</tbody>
</table>
SAFETY DATA SHEET

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Skin Irrit. 2; H315</th>
<th>Skin Sens. 1; H317</th>
</tr>
</thead>
<tbody>
<tr>
<td>Silanes</td>
<td>Proprietary</td>
<td>1 - 5</td>
</tr>
<tr>
<td>Methyl ethyl ketoxime</td>
<td>96-29-7</td>
<td>0.1 - 1</td>
</tr>
</tbody>
</table>

Ingredients determined to be not hazardous  65

*This material is only hazardous when present as an airborne dust. As supplied, and during normal use, the material is encapsulated within the product and will not present an exposure risk.

SECTION 4: FIRST AID MEASURES

IF IN EYES:  Use an eye wash to remove a chemical from your eye regardless of the level of hazard. Flush the affected eye for at least twenty minutes. Tilt the head to prevent chemical from transferring to the uncontaminated eye. Seek medical advice after flushing.
IF ON SKIN:  Wash with soap and water. Get medical attention if irritation develops or persists.
IF INHALED:  Remove to fresh air. Call a physician if symptoms persist.
IF SWALLOWED:  Do not induce vomiting. Seek medical attention if symptoms develop. Provide medical care provider with this MSDS.

SECTION 5: FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA:  Use water spray, foam, dry chemical or carbon dioxide.
UNUSUAL FIRE AND EXPLOSION HAZARDS:  Material will burn in a fire.
SPECIAL FIRE FIGHTING INSTRUCTIONS:  Persons exposed to products of combustion should wear self-contained breathing apparatus and full protective equipment.
HAZARDOUS COMBUSTION PRODUCTS:  Carbon dioxide, Carbon monoxide Silicon dioxide

SECTION 6: ACCIDENTAL RELEASE MEASURES

SPECIAL PROTECTION:  No health affects expected from the clean-up of this material if contact can be avoided. Follow personal protective equipment recommendations found in Section 8 of this SDS.

SECTION 7: HANDLING AND STORAGE

Handling:  Avoid unnecessary exposure.
This product contains an ingredient that may release formaldehyde at heated cure temperatures.
This product contains an ingredient that may react with water or humidity to release methyl ethyl ketoxime (MEKO), CAS#96-29-7. The AIHA WEEL TWA for MEKO is 10 ppm.
This product contains an ingredient that may react with water or humidity to release ethanol (64-17-5). The TWA for ethanol is 1000 ppm.
Storage:  Store in a cool, dry place.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE LIMITS:

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Note</th>
<th>AUSTRALIAN EXPOSURE LIMITS</th>
<th>ACGIH EXPOSURE LIMITS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Amorphous silica | * (see below) | 2 mg/m³ TWA (respirable dust, listed under Fumed silica) | No data available.

*This material is only hazardous when present as an airborne dust. As supplied, and during normal use, the material is encapsulated within the product and will not present an exposure risk.

### Biological Limit Values (ACGIH)

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH Biological Exposure Index (BEI)</th>
</tr>
</thead>
<tbody>
<tr>
<td>No data available.</td>
<td></td>
</tr>
</tbody>
</table>

### ENGINEERING CONTROL METHODS:

**VENTILATION:** General room ventilation might be required under normal conditions of use.

**EYE PROTECTION:** Wear safety glasses when handling this product.

**SKIN PROTECTION:** Avoid skin contact by wearing chemically resistant gloves.

**GLOVES:** Nitrile

**RESPIRATORY PROTECTION:** No respiratory protection required under normal conditions of use.

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Physical State:</th>
<th>Semi-solid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color:</td>
<td>Colourless</td>
</tr>
<tr>
<td>Odor:</td>
<td>Characteristic</td>
</tr>
<tr>
<td>Odor Threshold:</td>
<td>Not established</td>
</tr>
<tr>
<td>pH:</td>
<td>Not established</td>
</tr>
<tr>
<td>Freezing/Melting Point (deg. C):</td>
<td>Not established</td>
</tr>
<tr>
<td>Boiling Point (deg. C):</td>
<td>Not established</td>
</tr>
<tr>
<td>Flash Point:</td>
<td>&gt; 204°C (400°F) COC</td>
</tr>
<tr>
<td>Evaporation Rate:</td>
<td>Not established</td>
</tr>
<tr>
<td>Flammability:</td>
<td>Not a flammable solid or gas</td>
</tr>
<tr>
<td>Upper Explosive Limit (% in air):</td>
<td>Not established</td>
</tr>
<tr>
<td>Lower Explosive Limit (% in air):</td>
<td>Not established</td>
</tr>
<tr>
<td>Vapor Pressure (mm Hg):</td>
<td>Not established</td>
</tr>
<tr>
<td>Vapor Density:</td>
<td>Not established</td>
</tr>
<tr>
<td>Weight per Gallon (lbs.):</td>
<td>0.01</td>
</tr>
<tr>
<td>Specific Gravity:</td>
<td>0.970</td>
</tr>
<tr>
<td>Solubility:</td>
<td>Not established</td>
</tr>
<tr>
<td>Octanol/Water Coefficient:</td>
<td>Not established</td>
</tr>
<tr>
<td>Autoignition Temperature:</td>
<td>Not established</td>
</tr>
<tr>
<td>Decomposition Temperature:</td>
<td>Not established</td>
</tr>
<tr>
<td>Viscosity:</td>
<td>No data available.</td>
</tr>
<tr>
<td>Solids (% by weight):</td>
<td>81.1</td>
</tr>
</tbody>
</table>

**VOC, weight percent:** Not determined

### SECTION 10: STABILITY AND REACTIVITY

**Stability:** Stable under normal conditions.

**Chemical Incompatibility:** Not established

**Hazardous Polymerization:** Will not occur.
HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide, carbon dioxide Silicon dioxide

SECTION 11: TOXICOLOGICAL INFORMATION

Component Toxicity / Toxicology Data:

<table>
<thead>
<tr>
<th>COMPONENT NAME</th>
<th>LD50/LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mineral oil</td>
<td>Inhalation LC50 Rat 4.60 mg/l</td>
</tr>
<tr>
<td>Amorphous silica</td>
<td>INHALATION LC50-1H Rat &gt; 2.20 mg/l</td>
</tr>
</tbody>
</table>

This product is a mixture. Unless noted, the information below is based on components.

Skin corrosion / irritation: No irritation hazard in normal industrial use.
Serious eye damage / irritation: Can cause severe irritation. Eye contact may result in corneal injury. Symptoms may include discomfort or pain, excessive blinking and tear production, with marked redness and swelling of the conjunctiva. Temporary vision impairment (cloudy or blurred vision) is possible.
Respiratory / skin sensitization: May cause an allergic skin reaction.
Germ cell mutagenicity: No data available.
Carcinogenicity: No data available.
Reproductive toxicity: No data available.
Specific target organ toxicity-single exposure: No data available.

Medical Conditions Aggravated by Exposure: Lung disease

SECTION 12: ECOLOGICAL INFORMATION

OVERVIEW: No ecological information available for this product.
MOBILITY: No data available.
PERSISTENCE: No data available.
BIOACCUMULATION: No data available.

This product has not been tested for ecological effects. Relevant information for components is listed below:

<table>
<thead>
<tr>
<th>Component</th>
<th>Ecotoxicity values</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mineral oil</td>
<td>Acute Toxicity (Fish): 96 Hr LC50 Pimephales promelas: 35 mg/L [flow-through]</td>
</tr>
<tr>
<td></td>
<td>Acute Toxicity (Daphnia): Not established</td>
</tr>
<tr>
<td></td>
<td>Acute Toxicity (Algae): Not established</td>
</tr>
</tbody>
</table>

SECTION 13: DISPOSAL CONSIDERATIONS

This product is a prescribed waste and may only be disposed of in accordance with applicable State and local regulations. These regulations vary from jurisdiction to jurisdiction and hence the user is counselled to seek advice from the local authority and classify the waste before considering disposal. The disposal information given below is a general guide and does not replace the requirement of the local regulations.

DISPOSAL: If possible recycle, otherwise dispose strictly in accordance with local industrial waste or environmental protection regulations. This substance may, if permitted by local authorities, be disposed of in an approved incineration facility or be considered for landfill.
SPECIAL PRECAUTIONS: Do not allow this material to contaminate soil, sewerage systems or surface or ground water.

When large amounts of this product need to be disposed of the services of a registered, professional waste disposal organisation is highly recommended.

SECTION 14: TRANSPORT INFORMATION
Consult Bill of Lading for transportation information.

ADG: NOT REGULATED
IATA: NOT REGULATED
HazChem Code: Not applicable

SECTION 15: REGULATORY INFORMATION

INVENTORY STATUS
AUSTRALIA AICS: All ingredients in this mixture are listed in the Australian Inventory of Chemical Substances.
U.S. EPA TSCA: This product is in compliance with the Toxic Substances Control Act’s Inventory requirements.
CANADIAN CEPA DSL: This product contains one or more components which have not been determined to be on the DSL. If you are the importer of this product into Canada, contact H.B. Fuller for chemical tracking and notification information.
EUROPEAN REACH: As a result of the introduction of REACH into Europe, this product cannot be imported into Europe unless the REACH requirements are met.
KOREAN TCCL: This product is in compliance with the Korean Existing Chemicals List requirements.
PHILIPPINES: This product is in compliance with the Philippine Inventory of Chemicals and Chemical Substances requirements.
CHINA IECSC INVENTORY: This product is in compliance with the Inventory of Existing Chemical Substances in China (IECSC) requirements.

If you need more information about the inventory status of this product call 1+ 651-236-5858.

New Zealand:
Classified as Hazardous according to the Hazardous Substances (Minimum degrees of hazard) Regulations 2001.
Group standard: Surface Coatings and Colourants (Flammable, Toxic [6.7]) Group Standard 2006
HSNO Approval Number: HSR002669

Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP):
Exempt

SECTION 16: OTHER INFORMATION
SDS Date of Issue: 26-04-2017
FULASEAL 780 PLUMBERS SILICONE

SAFETY DATA SHEET

Replaces: 09-06-2016
Changes made to previous issue: Conversion to GHS format

ACRONYMS and DEFINITIONS:
ACGIH American Conference of Governmental Industrial Hygienists
ADG Code Australian Code for the Transport of Dangerous Goods by Road and Rail
AICS Australian Inventory of Chemical Substances
BEI Biological Exposure Index
CAS Number Chemical Abstracts Service Registry Number
CNS Central nervous system
DG Dangerous Goods
Hazchem Code An emergency action code of numbers and letters, which gives information to emergency services.
IARC International Agency for Research on Cancer
IATA Code International Air Transport Association Code
IMDG Code International Maritime Dangerous Goods Code
N.O.S. Not otherwise specified
NOHSC National Health and Safety Commission
PPE Personal protection equipment
SUSMP Standard for the Uniform Scheduling of Medicines and Poisons
UN Number United Nations Number

Prepared by: The Global Regulatory Department Phone: 1-651-236-5842

The information and recommendations set forth herein are believed to be accurate. Because some of the information is derived from information provided to H.B. Fuller Company Australia Pty. Ltd. from its suppliers, and because H.B. Fuller Company Australia Pty. Ltd. has no control over the conditions of handling and use, H.B. Fuller Company Australia Pty. Ltd. makes no warranty, expressed or implied, regarding the accuracy of the data or the results to be obtained from the use thereof. The information is supplied solely for your information and consideration, and H.B. Fuller Company Australia Pty. Ltd. assumes no responsibility for use or reliance thereon. It is the responsibility of the user of H.B. Fuller Company Australia Pty. Ltd. products to comply with all applicable federal, state and local laws and regulations.