

# Permatex The Right Stuff Grey Gasket Maker PowerBead 7.5oz. Can

ITW AAMTech

Chemwatch Hazard Alert Code: 2

Chemwatch: 6594-09

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Material Safety Data Sheet according to NOHSC and ADG requirements

Initial Date: Not Available

S.Local.AUS.EN

## SECTION 1 IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

### Product Identifier

|                               |   |
|-------------------------------|---|
| Product name                  | Permatex The Right Stuff Grey Gasket Maker PowerBead 7.5oz. Can |
| Synonyms                      | PX85144   |
| Proper shipping name          | AEROSOLS  |
| Other means of identification | Not Available   |

### Relevant identified uses of the substance or mixture and uses advised against

|                          |  |
|--------------------------|--|
| Relevant identified uses | Application is by spray atomisation from a hand held aerosol pack<br>Elastomeric rubber. |
|--------------------------|--|

### Details of the supplier of the safety data sheet

|                         |   |   |
|-------------------------|---|---|
| Registered company name | ITW AAMTech   | ITW AAMTech                                       |
| Address                 | Unit 2/38 Trugood Drive, East Tamaki, Auckland 2013 New Zealand | 1-9 Nina Link, Dandenong South 3175 VIC Australia |
| Telephone               | +800 438 996  | 1800 177 989                                      |
| Fax                     | +64 9272 1949   | 1800 308 556                                      |
| Website                 | www.aamtech.co.nz   | www.aamtech.com.au                                |
| Email                   | info@aamtech.co.nz  | info@aamtech.com.au                               |

### Emergency telephone number

|                                   |                |                 |
|-----------------------------------|----------------|-----------------|
| Association / Organisation        | Not Available  | Not Available   |
| Emergency telephone numbers       | +800 2436 2255 | 1800 039 008    |
| Other emergency telephone numbers | Not Available  | +61 3 9573 3112 |

## SECTION 2 HAZARDS IDENTIFICATION

### Classification of the substance or mixture


**HAZARDOUS SUBSTANCE. DANGEROUS GOODS.** According to the Criteria of NOHSC, and the ADG Code.

|                                   |  |   |
|-----------------------------------|--|---|
| Poisons Schedule                  | Not Applicable   |   |
| Risk Phrases <sup>[1]</sup>       | R36/37/38  | Irritating to eyes, respiratory system and skin.                                |
|                                   | R44  | Risk of explosion if heated under confinement.                                  |
|                                   | R40(3)   | Limited evidence of a carcinogenic effect.                                      |
|                                   | R48/22   | Harmful: danger of serious damage to health by prolonged exposure if swallowed. |
| Legend:                           | 1. Classified by Chemwatch; 2. Classification drawn from HSIS ; 3. Classification drawn from EC Directive 1272/2008 - Annex VI                   |   |
| GHS Classification <sup>[1]</sup> | Skin Corrosion/Irritation Category 2, Eye Irritation Category 2A, Carcinogen Category 2, STOT - SE (Resp. Irr.) Category 3, STOT - RE Category 2 |   |

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**Legend:** 1. Classified by Chemwatch; 2. Classification drawn from HSIS ; 3. Classification drawn from EC Directive 1272/2008 - Annex VI

## Label elements

|                    |   |
|--------------------|---|
| GHS label elements |  |
|--------------------|---|

## SIGNAL WORD

WARNING

## Hazard statement(s)

|        |   |
|--------|---|
| H315   | Causes skin irritation  |
| H319   | Causes serious eye irritation                                     |
| H351   | Suspected of causing cancer                                       |
| H335   | May cause respiratory irritation                                  |
| H373   | May cause damage to organs through prolonged or repeated exposure |
| AUH044 | Risk of explosion if heated under confinement                     |

## Precautionary statement(s) Prevention

|      |  |
|------|--|
| P201 | Obtain special instructions before use.          |
| P260 | Do not breathe dust/fume/gas/mist/vapours/spray. |
| P271 | Use only outdoors or in a well-ventilated area.  |
| P281 | Use personal protective equipment as required.   |

## Precautionary statement(s) Response

|                |  |
|----------------|--|
| P308+P313      | IF exposed or concerned: Get medical advice/attention.   |
| P362           | Take off contaminated clothing.  |
| P305+P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P312           | Call a POISON CENTER/doctor/physician/first aider/if you feel unwell.  |

## Precautionary statement(s) Storage

|           |  |
|-----------|--|
| P405      | Store locked up.   |
| P403+P233 | Store in a well-ventilated place. Keep container tightly closed. |

## Precautionary statement(s) Disposal

|      |   |
|------|---|
| P501 | Dispose of contents/container in accordance with local regulations. |
|------|---|

## Label elements



Relevant risk statements are found in section 2

|                         |    |
|-------------------------|----|
| Indication(s) of danger | Xn |
|-------------------------|----|

## SAFETY ADVICE

|      |  |
|------|--|
| S02  | Keep out of reach of children.   |
| S15  | Keep away from heat.   |
| S23  | Do not breathe gas/fumes/vapour/spray.   |
| S26  | In case of contact with eyes, rinse with plenty of water and contact Doctor or Poisons Information Centre. |
| S281 | After contact with skin, wash immediately with detergent and plenty of water.                              |
| S35  | This material and its container must be disposed of in a safe way.   |

Continued...

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|            |  |
|------------|--|
| <b>S36</b> | Wear suitable protective clothing.   |
| <b>S37</b> | Wear suitable gloves.  |
| <b>S38</b> | In case of insufficient ventilation, wear suitable respiratory equipment.  |
| <b>S38</b> | In case of insufficient ventilation, wear suitable respiratory equipment.  |
| <b>S39</b> | Wear eye/face protection.  |
| <b>S40</b> | To clean the floor and all objects contaminated by this material, use water and detergent.                                   |
| <b>S45</b> | In case of accident or if you feel unwell IMMEDIATELY contact Doctor or Poisons Information Centre (show label if possible). |
| <b>S46</b> | If swallowed, seek medical advice immediately and show this container or label.  |
| <b>S51</b> | Use only in well ventilated areas.   |
| <b>S52</b> | Not recommended for interior use on large surface areas.   |
| <b>S53</b> | Avoid exposure - obtain special instructions before use.   |
| <b>S56</b> | Dispose of this material and its container at hazardous or special waste collection point.                                   |
| <b>S64</b> | If swallowed, rinse mouth with water (only if the person is conscious).  |

## Other hazards

|  |  |
|--|--|
|  | Possible respiratory and skin sensitizer*.           |
|  | Cumulative effects may result following exposure*.   |
|  | Inhalation may produce health damage*.               |
|  | Vapours potentially cause drowsiness and dizziness*. |

## SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

## Substances

See section below for composition of Mixtures

## Mixtures

| CAS No        | %[weight] | Name  |
|---------------|-----------|---|
| 70131-67-8    | 40-50     | <u>dimethylsiloxane, hydroxy-terminated</u>       |
| 471-34-1      | 20-30     | <u>calcium carbonate</u>                          |
| 12178-41-5    | 20-30     | <u>garnet natural</u>                             |
| 2224-33-1     | <7        | <u>vinyltris(methylethylketoxime)silane</u>       |
| 68909-20-6    | <5        | <u>silica amorphous, fumed, hydrophobic</u>       |
| 57-11-4       | <2        | <u>stearic acid</u>                               |
| 7727-37-9.    | 0.5-2     | <u>nitrogen</u>                                   |
| Not Available | NotSpec.  | will react with moisture during curing to produce |
| 96-29-7       | 0.5-2     | <u>methyl ethyl ketoxime</u>                      |

The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

## SECTION 4 FIRST AID MEASURES

## Description of first aid measures

|                     |   |
|---------------------|---|
| <b>Eye Contact</b>  | <p>If aerosols come in contact with the eyes:</p> <ul style="list-style-type: none"> <li>▶ Immediately hold the eyelids apart and flush the eye continuously for at least 15 minutes with fresh running water.</li> <li>▶ Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelids by occasionally lifting the upper and lower lids.</li> <li>▶ Transport to hospital or doctor without delay.</li> <li>▶ Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.</li> </ul> |
| <b>Skin Contact</b> | <p>If solids or aerosol mists are deposited upon the skin:</p> <ul style="list-style-type: none"> <li>▶ Flush skin and hair with running water (and soap if available).</li> <li>▶ Remove any adhering solids with industrial skin cleansing cream.</li> <li>▶ <b>DO NOT use solvents.</b></li> <li>▶ Seek medical attention in the event of irritation.</li> </ul>   |
| <b>Inhalation</b>   | <p>If aerosols, fumes or combustion products are inhaled:</p> <ul style="list-style-type: none"> <li>▶ Remove to fresh air.</li> <li>▶ Lay patient down. Keep warm and rested.</li> </ul>   |

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|                  |  |
|------------------|--|
|                  | <ul style="list-style-type: none"> <li>Prostheses such as false teeth, which may block airway, should be removed, where possible, prior to initiating first aid procedures.</li> <li>If breathing is shallow or has stopped, ensure clear airway and apply resuscitation, preferably with a demand valve resuscitator, bag-valve mask device, or pocket mask as trained. Perform CPR if necessary.</li> <li>Transport to hospital, or doctor.</li> </ul> |
| <b>Ingestion</b> | <p>Not considered a normal route of entry.</p> <ul style="list-style-type: none"> <li>Immediately give a glass of water.</li> <li>First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor.</li> </ul>   |

**Indication of any immediate medical attention and special treatment needed**

Treat symptomatically.

**SECTION 5 FIREFIGHTING MEASURES****Extinguishing media**

|  |  |
|--|--|
|  | <p><b>SMALL FIRE:</b></p> <ul style="list-style-type: none"> <li>Water spray, dry chemical or CO2</li> </ul> <p><b>LARGE FIRE:</b></p> <ul style="list-style-type: none"> <li>Water spray or fog.</li> </ul> |
|--|--|

**Special hazards arising from the substrate or mixture**

|                             |  |
|-----------------------------|--|
| <b>Fire Incompatibility</b> | <ul style="list-style-type: none"> <li>Avoid contamination with oxidising agents i.e. nitrates, oxidising acids, chlorine bleaches, pool chlorine etc. as ignition may result</li> </ul> |
|-----------------------------|--|

**Advice for firefighters**

|                              |   |
|------------------------------|---|
| <b>Fire Fighting</b>         | <ul style="list-style-type: none"> <li>Alert Fire Brigade and tell them location and nature of hazard.</li> <li>May be violently or explosively reactive.</li> <li>Wear breathing apparatus plus protective gloves.</li> <li>Prevent, by any means available, spillage from entering drains or water course.</li> </ul> |
| <b>Fire/Explosion Hazard</b> | <ul style="list-style-type: none"> <li>Non combustible.</li> <li>Not considered to be a significant fire risk.</li> <li>Heating may cause expansion or decomposition leading to violent rupture of containers.</li> <li>Aerosol cans may explode on exposure to naked flames.</li> </ul>                                |

**SECTION 6 ACCIDENTAL RELEASE MEASURES****Personal precautions, protective equipment and emergency procedures**

|                     |  |
|---------------------|--|
| <b>Minor Spills</b> | <p>Slippery when spilt.</p> <ul style="list-style-type: none"> <li>Clean up all spills immediately.</li> <li>Avoid breathing vapours and contact with skin and eyes.</li> <li>Wear protective clothing, impervious gloves and safety glasses.</li> </ul> |
| <b>Major Spills</b> | <p>Slippery when spilt.</p> <ul style="list-style-type: none"> <li>Remove leaking cylinders to a safe place.</li> <li>Fit vent pipes. Release pressure under safe, controlled conditions</li> <li>Burn issuing gas at vent pipes.</li> </ul>             |
|                     | <p>Personal Protective Equipment advice is contained in Section 8 of the SDS.</p>  |

**SECTION 7 HANDLING AND STORAGE****Precautions for safe handling**

|                          |  |
|--------------------------|--|
| <b>Safe handling</b>     | <ul style="list-style-type: none"> <li>Avoid all personal contact, including inhalation.</li> <li>Wear protective clothing when risk of exposure occurs.</li> <li>Use in a well-ventilated area.</li> <li>Prevent concentration in hollows and sumps.</li> </ul> |
| <b>Other information</b> | <ul style="list-style-type: none"> <li>Keep dry to avoid corrosion of cans. Corrosion may result in container perforation and internal pressure may eject contents of can</li> </ul>   |

**Conditions for safe storage, including any incompatibilities**

|                           |   |
|---------------------------|---|
| <b>Suitable container</b> | <ul style="list-style-type: none"> <li>Aerosol dispenser.</li> <li>Check that containers are clearly labelled.</li> </ul> |
|---------------------------|---|

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**Storage  
incompatibility**

► Avoid reaction with oxidising agents

**SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION****Control parameters****OCCUPATIONAL EXPOSURE LIMITS (OEL)****INGREDIENT DATA**

| Source                       | Ingredient        | Material name                                   | TWA           | STEL          | Peak          | Notes         |
|------------------------------|-------------------|---|---------------|---------------|---------------|---------------|
| Australia Exposure Standards | calcium carbonate | Calcium carbonate (a)                           | 10 mg/m3      | Not Available | Not Available | Not Available |
| Australia Exposure Standards | garnet natural    | Manganese, dust & compounds (as Mn)             | 1 mg/m3       | Not Available | Not Available | Not Available |
| Australia Exposure Standards | garnet natural    | Fume (thermally generated) (respirable dust)(g) | 2 mg/m3       | Not Available | Not Available | Not Available |
| Australia Exposure Standards | stearic acid      | Stearates (a) (d)                               | 10 mg/m3      | Not Available | Not Available | Not Available |
| Australia Exposure Standards | nitrogen          | Nitrogen  | Not Available | Not Available | Not Available | Asphyxiant    |

**EMERGENCY LIMITS**

| Ingredient                           | Material name   | TEEL-1       | TEEL-2     | TEEL-3      |
|--------------------------------------|---|--------------|------------|-------------|
| dimethylsiloxane, hydroxy-terminated | Dimethyl(polysiloxane); (Polydimethylsiloxane, silanol terminated; Dimethylsiloxane, poly, hydroxy end-blocked) | 190 mg/m3    | 2100 mg/m3 | 13000 mg/m3 |
| calcium carbonate                    | Limestone; (Calcium carbonate; Dolomite)  | 27 mg/m3     | 27 mg/m3   | 1300 mg/m3  |
| calcium carbonate                    | Carbonic acid, calcium salt   | 45 mg/m3     | 210 mg/m3  | 1300 mg/m3  |
| garnet natural                       | Particulate material (PNOS)   | 30 mg/m3     | 330 mg/m3  | 2000 mg/m3  |
| stearic acid                         | Octadecanoic acid, n-; (Stearic acid)   | 0.13 mg/m3   | 1.4 mg/m3  | 8.5 mg/m3   |
| nitrogen                             | Nitrogen  | 7.96E+05 ppm | 832000 ppm | 869000 ppm  |
| methyl ethyl ketoxime                | Butanone oxime; (Ethyl methyl ketoxime)   | 10 ppm       | 10 ppm     | 52 ppm      |


| Ingredient  | Original IDLH         | Revised IDLH  |
|---|-----------------------|---------------|
| dimethylsiloxane, hydroxy-terminated              | Not Available         | Not Available |
| calcium carbonate                                 | Not Available         | Not Available |
| garnet natural                                    | N.E. mg/m3 / N.E. ppm | 500 mg/m3     |
| vinyltris(methylethylketoxime)silane              | Not Available         | Not Available |
| silica amorphous, fumed, hydrophobic              | Not Available         | Not Available |
| stearic acid                                      | Not Available         | Not Available |
| nitrogen  | Not Available         | Not Available |
| will react with moisture during curing to produce | Not Available         | Not Available |
| methyl ethyl ketoxime                             | Not Available         | Not Available |

**Exposure controls**

|   |  |
|---|--|
| <b>Appropriate engineering controls</b> | <p>Engineering controls are used to remove a hazard or place a barrier between the worker and the hazard. Well-designed engineering controls can be highly effective in protecting workers and will typically be independent of worker interactions to provide this high level of protection.</p> <p>The basic types of engineering controls are:</p> <p>Process controls which involve changing the way a job activity or process is done to reduce the risk.</p> <p>Enclosure and/or isolation of emission source which keeps a selected hazard "physically" away from the worker and ventilation that strategically "adds" and "removes" air in the work environment.</p> |
|---|--|

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|                         |  |
|-------------------------|--|
| Personal protection     |   |
| Eye and face protection | No special equipment for minor exposure i.e. when handling small quantities.<br><b>OTHERWISE:</b> For potentially moderate or heavy exposures:<br><ul style="list-style-type: none"> <li>Safety glasses with side shields.</li> <li><b>NOTE:</b> Contact lenses pose a special hazard; soft lenses may absorb irritants and <b>ALL</b> lenses concentrate them.</li> </ul>       |
| Skin protection         | See Hand protection below  |
| Hands/feet protection   | <ul style="list-style-type: none"> <li>No special equipment needed when handling small quantities.</li> <li><b>OTHERWISE:</b></li> <li>For potentially moderate exposures:</li> <li>Wear general protective gloves, eg. light weight rubber gloves.</li> <li>For potentially heavy exposures:</li> <li>Wear chemical protective gloves, eg. PVC. and safety footwear.</li> </ul> |
| Body protection         | See Other protection below   |
| Other protection        | No special equipment needed when handling small quantities.<br><b>OTHERWISE:</b> <ul style="list-style-type: none"> <li>Overalls.</li> <li>Skin cleansing cream.</li> <li>Eyewash unit.</li> </ul>   |
| Thermal hazards         | Not Available  |

## Recommended material(s)

## GLOVE SELECTION INDEX

Glove selection is based on a modified presentation of the:

**"Forsberg Clothing Performance Index".**

The effect(s) of the following substance(s) are taken into account in the **computer-generated** selection:

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| Material | CPI |
|----------|-----|
|----------|-----|

\* CPI - Chemwatch Performance Index

A: Best Selection

B: Satisfactory; may degrade after 4 hours continuous immersion

C: Poor to Dangerous Choice for other than short term immersion

**NOTE:** As a series of factors will influence the actual performance of the glove, a final selection must be based on detailed observation. -

\* Where the glove is to be used on a short term, casual or infrequent basis, factors such as "feel" or convenience (e.g. disposability), may dictate a choice of gloves which might otherwise be unsuitable following long-term or frequent use. A qualified practitioner should be consulted.

## Respiratory protection

Type A-P Filter of sufficient capacity. (AS/NZS 1716 & 1715, EN 143:2000 & 149:2001, ANSI Z88 or national equivalent)

Where the concentration of gas/particulates in the breathing zone, approaches or exceeds the "Exposure Standard" (or ES), respiratory protection is required.

Degree of protection varies with both face-piece and Class of filter; the nature of protection varies with Type of filter.

| Required Minimum Protection Factor | Half-Face Respirator | Full-Face Respirator | Powered Air Respirator  |
|------------------------------------|----------------------|----------------------|-------------------------|
| up to 10 x ES                      | A-AUS P2             | -                    | A-PAPR-AUS / Class 1 P2 |
| up to 50 x ES                      | -                    | A-AUS / Class 1 P2   | -                       |
| up to 100 x ES                     | -                    | A-2 P2               | A-PAPR-2 P2 ^           |

^ - Full-face

A(All classes) = Organic vapours, B AUS or B1 = Acid gasses, B2 = Acid gas or hydrogen cyanide(HCN), B3 = Acid gas or hydrogen cyanide(HCN), E = Sulfur dioxide(SO2), G = Agricultural chemicals, K = Ammonia(NH3), Hg = Mercury, NO = Oxides of nitrogen, MB = Methyl bromide, AX = Low boiling point organic compounds(below 65 degC)

## SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

## Information on basic physical and chemical properties

|                                     |   |   |               |
|-------------------------------------|---|---|---------------|
| Appearance                          | Grey paste with a mild odour; not miscible with water. Polymerises in contact with moisture |   |               |
| Physical state                      | Non Slump Paste   | Relative density (Water = 1)            | 1.45          |
| Odour                               | Not Available   | Partition coefficient n-octanol / water | Not Available |
| Odour threshold                     | Not Available   | Auto-ignition temperature (°C)          | Not Available |
| pH (as supplied)                    | Not Available   | Decomposition temperature               | Not Available |
| Melting point / freezing point (°C) | Not Available   | Viscosity (cSt)                         | Not Available |

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## Permatex The Right Stuff Grey Gasket Maker PowerBead 7.5oz. Can

|   |                |   |                    |
|---|----------------|---|--------------------|
| <b>Initial boiling point and boiling range (°C)</b> | Not Available  | <b>Molecular weight (g/mol)</b>         | Not Applicable     |
| <b>Flash point (°C)</b>                             | >93 (TCC)      | <b>Taste</b>                            | Not Available      |
| <b>Evaporation rate</b>                             | <1 BuAC = 1    | <b>Explosive properties</b>             | Not Available      |
| <b>Flammability</b>                                 | Not Applicable | <b>Oxidising properties</b>             | Not Available      |
| <b>Upper Explosive Limit (%)</b>                    | Not Available  | <b>Surface Tension (dyn/cm or mN/m)</b> | Not Available      |
| <b>Lower Explosive Limit (%)</b>                    | Not Available  | <b>Volatile Component (%vol)</b>        | 7.1% (VOC - by wt) |
| <b>Vapour pressure (kPa)</b>                        | <0.67 @27C     | <b>Gas group</b>                        | Not Available      |
| <b>Solubility in water (g/L)</b>                    | Immiscible     | <b>pH as a solution (1%)</b>            | Not Available      |
| <b>Vapour density (Air = 1)</b>                     | 3.0            | <b>VOC g/L</b>                          | Not Available      |

## SECTION 10 STABILITY AND REACTIVITY

|   |  |
|---|--|
| <b>Reactivity</b>                         | See section 7  |
| <b>Chemical stability</b>                 | <ul style="list-style-type: none"> <li>▸ Elevated temperatures.</li> <li>▸ Presence of open flame.</li> <li>▸ Product is considered stable.</li> <li>▸ Hazardous polymerisation will not occur.</li> </ul> |
| <b>Possibility of hazardous reactions</b> | See section 7  |
| <b>Conditions to avoid</b>                | See section 7  |
| <b>Incompatible materials</b>             | See section 7  |
| <b>Hazardous decomposition products</b>   | See section 5  |

## SECTION 11 TOXICOLOGICAL INFORMATION

## Information on toxicological effects

|                     |   |
|---------------------|---|
| <b>Inhaled</b>      | <p>Inhalation of aerosols (mists, fumes), generated by the material during the course of normal handling, may be damaging to the health of the individual.</p> <p>There is some evidence to suggest that the material can cause respiratory irritation in some persons. The body's response to such irritation can cause further lung damage.</p> <p>Material is highly volatile and may quickly form a concentrated atmosphere in confined or unventilated areas.</p>  |
| <b>Ingestion</b>    | <p>Not normally a hazard due to physical form of product.</p> <p>Considered an unlikely route of entry in commercial/industrial environments</p>  |
| <b>Skin Contact</b> | <p>There is some evidence to suggest that the material may cause moderate inflammation of the skin either following direct contact or after a delay of some time. Repeated exposure can cause contact dermatitis which is characterised by redness, swelling and blistering.</p> <p>Entry into the blood-stream, through, for example, cuts, abrasions or lesions, may produce systemic injury with harmful effects. Examine the skin prior to the use of the material and ensure that any external damage is suitably protected.</p> |
| <b>Eye</b>          | <p>There is evidence that material may produce eye irritation in some persons and produce eye damage 24 hours or more after instillation. Severe inflammation may be expected with pain.</p>  |
| <b>Chronic</b>      | <p>There is limited evidence that, skin contact with this product is more likely to cause a sensitisation reaction in some persons compared to the general population.</p>  |

|  |   |                   |
|--|---|-------------------|
| <b>Permatex The Right Stuff Grey Gasket Maker PowerBead 7.5oz. Can</b> | <b>TOXICITY</b>                                     | <b>IRRITATION</b> |
|  | Not Available                                       | Not Available     |
|  | <b>TOXICITY</b>                                     | <b>IRRITATION</b> |
|  | Dermal (rabbit) LD50: >15520 mg/kg <sup>[2]</sup>   | Nil reported      |
|  | Inhalation (rat) LC50: >8.75 mg/L/7H <sup>[2]</sup> |                   |
| <b>dimethylsiloxane, hydroxy-terminated</b>                            | Oral (rat) LD50: >5000 mg/kg*d <sup>[2]</sup>       |                   |
|  | Oral (rat) LD50: >62080 mg/kg <sup>[2]</sup>        |                   |

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|                                      |  |                                    |
|--------------------------------------|--|------------------------------------|
| calcium carbonate                    | TOXICITY   | IRRITATION                         |
|                                      | dermal (rat) LD50: >2000 mg/kg <sup>[1]</sup>      | Eye (rabbit): 0.75 mg/24h - SEVERE |
|                                      | Oral (rat) LD50: >2000 mg/kg <sup>[1]</sup>        | Skin (rabbit): 500 mg/24h-moderate |
|                                      | Oral (rat) LD50: 6450 mg/kg <sup>[2]</sup>         |                                    |
| garnet natural                       | TOXICITY   | IRRITATION                         |
|                                      | Not Available                                      | Not Available                      |
| vinyltris(methylethylketoxime)silane | TOXICITY   | IRRITATION                         |
|                                      | Not Available                                      | Not Available                      |
| silica amorphous, fumed, hydrophobic | TOXICITY   | IRRITATION                         |
|                                      | Oral (rat) LD50: >5000 mg/kg <sup>[2]</sup>        | Eye (rabbit): none                 |
|                                      |  | Skin (rabbit): none [Degussa]      |
| stearic acid                         | TOXICITY   | IRRITATION                         |
|                                      | Dermal (rabbit) LD50: >2000 mg/kg <sup>[1]</sup>   | Skin (human): 75 mg/3d-I-mild      |
|                                      | Oral (rat) LD50: >2000 mg/kg <sup>[1]</sup>        | Skin (rabbit): 500 mg/24h-moderate |
| nitrogen                             | TOXICITY   | IRRITATION                         |
|                                      | Not Available                                      | Not Available                      |
| methyl ethyl ketoxime                | TOXICITY   | IRRITATION                         |
|                                      | Dermal (rabbit) LD50: >184<2 mg/kg <sup>[1]</sup>  | Eye (rabbit): 0.1 ml - SEVERE      |
|                                      | Inhalation (rat) LC50: 20 mg/l/4h <sup>**[2]</sup> |                                    |
|                                      | Oral (rat) LD50: >900 mg/kg <sup>[1]</sup>         |                                    |

**Legend:** 1. Value obtained from Europe ECHA Registered Substances - Acute toxicity 2.\* Value obtained from manufacturer's SDS. Unless otherwise specified data extracted from RTECS - Register of Toxic Effect of chemical Substances

|  |  |
|--|--|
| DIMETHYLSILOXANE, HYDROXY-TERMINATED   | Siloxanes may impair liver and hormonal function, as well as the lung and kidney. They have not been found to be irritating to the skin and eyes. They may potentially cause cancer (tumours of the womb in females) and may cause impaired fertility or infertility.<br>* [Mobay Chemical Corp] **[GE]  |
| CALCIUM CARBONATE  | No evidence of carcinogenic properties. No evidence of mutagenic or teratogenic effects.   |
| SILICA AMORPHOUS, FUMED, HYDROPHOBIC   | For silica amorphous:<br>When experimental animals inhale synthetic amorphous silica (SAS) dust, it dissolves in the lung fluid and is rapidly eliminated. If swallowed, the vast majority of SAS is excreted in the faeces and there is little accumulation in the body. Following absorption across the gut, SAS is eliminated via urine without modification in animals and humans. SAS is not expected to be broken down (metabolised) in mammals.                                       |
| STEARIC ACID   | Equivocal tumorigen by RTEC criteria   |
| METHYL ETHYL KETOXIME  | Mammalian lymphocyte mutagen *Huls Canada ** Merck   |
| Permatex The Right Stuff Grey Gasket Maker PowerBead 7.5oz. Can & VINYLTRIS(METHYLETHYLKETOXIME)SILANE & METHYL ETHYL KETOXIME | The following information refers to contact allergens as a group and may not be specific to this product.<br>Contact allergies quickly manifest themselves as contact eczema, more rarely as urticaria or Quincke's oedema. The pathogenesis of contact eczema involves a cell-mediated (T lymphocytes) immune reaction of the delayed type. Other allergic skin reactions, e.g. contact urticaria, involve antibody-mediated immune reactions.  |
| CALCIUM CARBONATE & STEARIC ACID   | Asthma-like symptoms may continue for months or even years after exposure to the material ceases. This may be due to a non-allergenic condition known as reactive airways dysfunction syndrome (RADS) which can occur following exposure to high levels of highly irritating compound. Key criteria for the diagnosis of RADS include the absence of preceding respiratory disease, in a non-atopic individual, with abrupt onset of persistent asthma-like symptoms within minutes to hours |

Continued...



## Permatex The Right Stuff Grey Gasket Maker PowerBead 7.5oz. Can

|                                      |   |
|--------------------------------------|---|
|                                      | of a documented exposure to the irritant. A reversible airflow pattern, on spirometry, with the presence of moderate to severe bronchial hyperreactivity on methacholine challenge testing and the lack of minimal lymphocytic inflammation, without eosinophilia, have also been included in the criteria for diagnosis of RADS. |
| <b>GARNET NATURAL &amp; NITROGEN</b> | No significant acute toxicological data identified in literature search.  |

|  |   |                                 |   |
|--|---|---------------------------------|---|
| <b>Acute Toxicity</b>                    | ☐ | <b>Carcinogenicity</b>          | ✓ |
| <b>Skin Irritation/Corrosion</b>         | ✓ | <b>Reproductivity</b>           | ☐ |
| <b>Serious Eye Damage/Irritation</b>     | ✓ | <b>STOT - Single Exposure</b>   | ✓ |
| <b>Respiratory or Skin sensitisation</b> | ☐ | <b>STOT - Repeated Exposure</b> | ✓ |
| <b>Mutagenicity</b>                      | ☐ | <b>Aspiration Hazard</b>        | ☐ |

**Legend:** ✓ – Data required to make classification available  
 ✗ – Data available but does not fill the criteria for classification  
 ☐ – Data Not Available to make classification

## SECTION 12 ECOLOGICAL INFORMATION

## Toxicity

**DO NOT** discharge into sewer or waterways.

## Persistence and degradability

| Ingredient            | Persistence: Water/Soil | Persistence: Air |
|-----------------------|-------------------------|------------------|
| stearic acid          | LOW                     | LOW              |
| methyl ethyl ketoxime | LOW                     | LOW              |

## Bioaccumulative potential

| Ingredient            | Bioaccumulation     |
|-----------------------|---------------------|
| stearic acid          | LOW (LogKOW = 8.23) |
| methyl ethyl ketoxime | LOW (BCF = 6)       |

## Mobility in soil

| Ingredient            | Mobility          |
|-----------------------|-------------------|
| stearic acid          | LOW (KOC = 11670) |
| methyl ethyl ketoxime | LOW (KOC = 130.8) |

## SECTION 13 DISPOSAL CONSIDERATIONS

## Waste treatment methods

|                                     |  |
|-------------------------------------|--|
| <b>Product / Packaging disposal</b> | <ul style="list-style-type: none"> <li>▶ Consult State Land Waste Management Authority for disposal.</li> <li>▶ Discharge contents of damaged aerosol cans at an approved site.</li> <li>▶ Allow small quantities to evaporate.</li> <li>▶ <b>DO NOT</b> incinerate or puncture aerosol cans.</li> </ul> |
|-------------------------------------|--|

## SECTION 14 TRANSPORT INFORMATION

## Labels Required

|                         |   |
|-------------------------|---|
|                         |  |
| <b>Marine Pollutant</b> | NO  |
| <b>HAZCHEM</b>          | 2YE   |

## Land transport (ADG)

Continued...

## Permatex The Right Stuff Grey Gasket Maker PowerBead 7.5oz. Can

|                                     |  |                    |                    |                  |                |
|-------------------------------------|--|--------------------|--------------------|------------------|----------------|
| <b>UN number</b>                    | 1950   |                    |                    |                  |                |
| <b>Packing group</b>                | Not Applicable   |                    |                    |                  |                |
| <b>UN proper shipping name</b>      | AEROSOLS   |                    |                    |                  |                |
| <b>Environmental hazard</b>         | No relevant data   |                    |                    |                  |                |
| <b>Transport hazard class(es)</b>   | <table> <tr> <td>Class</td><td>2.2</td></tr> <tr> <td>Subrisk</td><td>Not Applicable</td></tr> </table>                                  | Class              | 2.2                | Subrisk          | Not Applicable |
| Class                               | 2.2  |                    |                    |                  |                |
| Subrisk                             | Not Applicable   |                    |                    |                  |                |
| <b>Special precautions for user</b> | <table> <tr> <td>Special provisions</td><td>63 190 277 327 344</td></tr> <tr> <td>Limited quantity</td><td>See SP 277</td></tr> </table> | Special provisions | 63 190 277 327 344 | Limited quantity | See SP 277     |
| Special provisions                  | 63 190 277 327 344   |                    |                    |                  |                |
| Limited quantity                    | See SP 277   |                    |                    |                  |                |

## Air transport (ICAO-IATA / DGR)

|   |   |                    |                 |                                 |                |                               |        |  |          |  |       |   |            |  |         |
|---|---|--------------------|-----------------|---------------------------------|----------------|-------------------------------|--------|--|----------|--|-------|---|------------|--|---------|
| <b>UN number</b>  | 1950  |                    |                 |                                 |                |                               |        |  |          |  |       |   |            |  |         |
| <b>Packing group</b>                                      | Not Applicable  |                    |                 |                                 |                |                               |        |  |          |  |       |   |            |  |         |
| <b>UN proper shipping name</b>                            | Aerosols, non-flammable (containing biological products or a medicinal preparation which will be deteriorated by a heat test);<br>Aerosols, non-flammable   |                    |                 |                                 |                |                               |        |  |          |  |       |   |            |  |         |
| <b>Environmental hazard</b>                               | No relevant data  |                    |                 |                                 |                |                               |        |  |          |  |       |   |            |  |         |
| <b>Transport hazard class(es)</b>                         | <table> <tr> <td>ICAO/IATA Class</td><td>2.2</td></tr> <tr> <td>ICAO / IATA Subrisk</td><td>Not Applicable</td></tr> <tr> <td>ERG Code</td><td>2L</td></tr> </table>  | ICAO/IATA Class    | 2.2             | ICAO / IATA Subrisk             | Not Applicable | ERG Code                      | 2L     |  |          |  |       |   |            |  |         |
| ICAO/IATA Class   | 2.2   |                    |                 |                                 |                |                               |        |  |          |  |       |   |            |  |         |
| ICAO / IATA Subrisk                                       | Not Applicable  |                    |                 |                                 |                |                               |        |  |          |  |       |   |            |  |         |
| ERG Code  | 2L  |                    |                 |                                 |                |                               |        |  |          |  |       |   |            |  |         |
| <b>Special precautions for user</b>                       | <table> <tr> <td>Special provisions</td><td>A98A145A167A802</td></tr> <tr> <td>Cargo Only Packing Instructions</td><td>204; 203</td></tr> <tr> <td>Cargo Only Maximum Qty / Pack</td><td>150 kg</td></tr> <tr> <td>Passenger and Cargo Packing Instructions</td><td>204; 203</td></tr> <tr> <td>Passenger and Cargo Maximum Qty / Pack</td><td>75 kg</td></tr> <tr> <td>Passenger and Cargo Limited Quantity Packing Instructions</td><td>Y204; Y203</td></tr> <tr> <td>Passenger and Cargo Limited Maximum Qty / Pack</td><td>30 kg G</td></tr> </table> | Special provisions | A98A145A167A802 | Cargo Only Packing Instructions | 204; 203       | Cargo Only Maximum Qty / Pack | 150 kg | Passenger and Cargo Packing Instructions | 204; 203 | Passenger and Cargo Maximum Qty / Pack | 75 kg | Passenger and Cargo Limited Quantity Packing Instructions | Y204; Y203 | Passenger and Cargo Limited Maximum Qty / Pack | 30 kg G |
| Special provisions  | A98A145A167A802   |                    |                 |                                 |                |                               |        |  |          |  |       |   |            |  |         |
| Cargo Only Packing Instructions                           | 204; 203  |                    |                 |                                 |                |                               |        |  |          |  |       |   |            |  |         |
| Cargo Only Maximum Qty / Pack                             | 150 kg  |                    |                 |                                 |                |                               |        |  |          |  |       |   |            |  |         |
| Passenger and Cargo Packing Instructions                  | 204; 203  |                    |                 |                                 |                |                               |        |  |          |  |       |   |            |  |         |
| Passenger and Cargo Maximum Qty / Pack                    | 75 kg   |                    |                 |                                 |                |                               |        |  |          |  |       |   |            |  |         |
| Passenger and Cargo Limited Quantity Packing Instructions | Y204; Y203  |                    |                 |                                 |                |                               |        |  |          |  |       |   |            |  |         |
| Passenger and Cargo Limited Maximum Qty / Pack            | 30 kg G   |                    |                 |                                 |                |                               |        |  |          |  |       |   |            |  |         |

## Sea transport (IMDG-Code / GGVSee)

|                                     |   |            |           |                    |                        |                    |           |
|-------------------------------------|---|------------|-----------|--------------------|------------------------|--------------------|-----------|
| <b>UN number</b>                    | 1950  |            |           |                    |                        |                    |           |
| <b>Packing group</b>                | Not Applicable  |            |           |                    |                        |                    |           |
| <b>UN proper shipping name</b>      | AEROSOLS  |            |           |                    |                        |                    |           |
| <b>Environmental hazard</b>         | Not Applicable  |            |           |                    |                        |                    |           |
| <b>Transport hazard class(es)</b>   | <table> <tr> <td>IMDG Class</td><td>2.2</td></tr> <tr> <td>IMDG Subrisk</td><td>Not Applicable</td></tr> </table>   | IMDG Class | 2.2       | IMDG Subrisk       | Not Applicable         |                    |           |
| IMDG Class                          | 2.2   |            |           |                    |                        |                    |           |
| IMDG Subrisk                        | Not Applicable  |            |           |                    |                        |                    |           |
| <b>Special precautions for user</b> | <table> <tr> <td>EMS Number</td><td>F-D , S-U</td></tr> <tr> <td>Special provisions</td><td>63 190 277 327 344 959</td></tr> <tr> <td>Limited Quantities</td><td>See SP277</td></tr> </table> | EMS Number | F-D , S-U | Special provisions | 63 190 277 327 344 959 | Limited Quantities | See SP277 |
| EMS Number                          | F-D , S-U   |            |           |                    |                        |                    |           |
| Special provisions                  | 63 190 277 327 344 959  |            |           |                    |                        |                    |           |
| Limited Quantities                  | See SP277   |            |           |                    |                        |                    |           |

## Transport in bulk according to Annex II of MARPOL 73 / 78 and the IBC code

| Source  | Ingredient            | Pollution Category |
|---|-----------------------|--------------------|
| IMO MARPOL 73/78 (Annex II) - List of Noxious Liquid Substances Carried in Bulk | stearic acid          | Y                  |
| IMO MARPOL 73/78 (Annex II) - List of Noxious Liquid Substances Carried in Bulk | methyl ethyl ketoxime | Y                  |

**SECTION 15 REGULATORY INFORMATION****Safety, health and environmental regulations / legislation specific for the substance or mixture****DIMETHYLSILOXANE, HYDROXY-TERMINATED(70131-67-8) IS FOUND ON THE FOLLOWING REGULATORY LISTS**

Australia Inventory of Chemical Substances (AICS)

**CALCIUM CARBONATE(471-34-1) IS FOUND ON THE FOLLOWING REGULATORY LISTS**

Australia Exposure Standards

Australia Inventory of Chemical Substances (AICS)

**GARNET NATURAL(12178-41-5) IS FOUND ON THE FOLLOWING REGULATORY LISTS**

Australia Exposure Standards

Australia Hazardous Substances Information System - Consolidated Lists

**VINYLTRIS(METHYLETHYLKETOXIME)SILANE(2224-33-1) IS FOUND ON THE FOLLOWING REGULATORY LISTS**

Australia Inventory of Chemical Substances (AICS)

**SILICA AMORPHOUS, FUMED, HYDROPHOBIC(68909-20-6) IS FOUND ON THE FOLLOWING REGULATORY LISTS**

Australia Inventory of Chemical Substances (AICS)

**STEARIC ACID(57-11-4) IS FOUND ON THE FOLLOWING REGULATORY LISTS**

Australia Exposure Standards

Australia Inventory of Chemical Substances (AICS)

**NITROGEN(7727-37-9.) IS FOUND ON THE FOLLOWING REGULATORY LISTS**

Australia Exposure Standards

Australia Inventory of Chemical Substances (AICS)

**METHYL ETHYL KETOXIME(96-29-7) IS FOUND ON THE FOLLOWING REGULATORY LISTS**

Australia Hazardous Substances Information System - Consolidated Lists

Australia Inventory of Chemical Substances (AICS)

| National Inventory            | Status  |
|-------------------------------|---|
| Australia - AICS              | N (garnet natural)  |
| Canada - DSL                  | N (garnet natural)  |
| Canada - NDSL                 | N (methyl ethyl ketoxime; dimethylsiloxane, hydroxy-terminated; nitrogen; garnet natural; silica amorphous, fumed, hydrophobic; vinyltris(methylethylketoxime)silane; stearic acid)   |
| China - IECSC                 | Y   |
| Europe - EINEC / ELINCS / NLP | N (dimethylsiloxane, hydroxy-terminated; garnet natural)  |
| Japan - ENCS                  | N (nitrogen; garnet natural; silica amorphous, fumed, hydrophobic)  |
| Korea - KECI                  | Y   |
| New Zealand - NZIoC           | Y   |
| Philippines - PICCS           | N (nitrogen)  |
| USA - TSCA                    | N (garnet natural)  |
| <b>Legend:</b>                | Y = All ingredients are on the inventory N = Not determined or one or more ingredients are not on the inventory and are not exempt from listing(see specific ingredients in brackets) |

**SECTION 16 OTHER INFORMATION****Other information****Ingredients with multiple cas numbers**

| Name                                 | CAS No  |
|--------------------------------------|---|
| dimethylsiloxane, hydroxy-terminated | 63148-60-7, 70131-67-8  |
| calcium carbonate                    | 1317-65-3, 13397-26-7, 146358-95-4, 15634-14-7, 198352-33-9, 459411-10-0, 471-34-1, 63660-97-9, 72608-12-9, 878759-26-3 |
| garnet natural                       | 12178-41-5, 12252-51-6, 1302-57-4, 1302-62-1, 1302-68-7, 14567-72-7, 15078-96-3   |

Classification of the preparation and its individual components has drawn on official and authoritative sources as well as independent review by the Chemwatch Classification committee using available literature references.

A list of reference resources used to assist the committee may be found at:

[www.chemwatch.net](http://www.chemwatch.net)

The (M)SDS is a Hazard Communication tool and should be used to assist in the Risk Assessment. Many factors determine whether the reported Hazards

Continued...

**Permatex The Right Stuff Grey Gasket Maker PowerBead 7.5oz. Can**

are Risks in the workplace or other settings. Risks may be determined by reference to Exposures Scenarios. Scale of use, frequency of use and current or available engineering controls must be considered.

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TEL (+61 3) 9572 4700.