

Permatex Water Pump & Thermostat RTV Silicone Gasket

ITW AAMTech

Chemwatch Hazard Alert Code: 3

Chemwatch: 5060-13

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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 Water Pump & Thermostat RTV Silicone Gasket |
| Synonyms | PX22071 |
| Other means of identification | Not Available |

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

| | |
|---------------------------------|---|
| Relevant identified uses | The use of a quantity of material in an unventilated or confined space may result in increased exposure and an irritating atmosphere developing. Adhesive/sealant. Cures and becomes solid by reacting with moisture in the air; releasing a small amount of ethanol vapour, and volatile methylethylketoxime. |
|---------------------------------|---|

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. NON-DANGEROUS GOODS. According to the Criteria of NOHSC, and the ADG Code.

| | | |
|-------------------------------|--|--|
| Poisons Schedule | Not Applicable | |
| Risk Phrases [1] | R37/38 | Irritating to respiratory system and skin. |
| | R41 | Risk of serious damage to eyes. |
| | R43 | May cause SENSITISATION by skin contact. |
| Legend: | 1. Classified by Chemwatch; 2. Classification drawn from HSIS ; 3. Classification drawn from EC Directive 1272/2008 - Annex VI | |
| GHS Classification [1] | Skin Corrosion/Irritation Category 2, Serious Eye Damage Category 1, Skin Sensitizer Category 1, STOT - SE (Resp. Irr.) Category 3 | |
| Legend: | 1. Classified by Chemwatch; 2. Classification drawn from HSIS ; 3. Classification drawn from EC Directive 1272/2008 - Annex VI | |

Permatex Water Pump & Thermostat RTV Silicone Gasket

Label elements

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

| | |
|--------------------|---------------|
| SIGNAL WORD | DANGER |
|--------------------|---------------|

Hazard statement(s)

| | |
|-------------|-------------------------------------|
| H315 | Causes skin irritation |
| H318 | Causes serious eye damage |
| H317 | May cause an allergic skin reaction |
| H335 | May cause respiratory irritation |

Precautionary statement(s) Prevention

| | |
|-------------|--|
| P271 | Use only outdoors or in a well-ventilated area. |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection. |
| P261 | Avoid breathing dust/fume/gas/mist/vapours/spray. |
| P272 | Contaminated work clothing should not be allowed out of the workplace. |

Precautionary statement(s) Response

| | |
|-----------------------|--|
| P305+P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P310 | Immediately call a POISON CENTER/doctor/physician/first aider |
| P362 | Take off contaminated clothing. |
| P363 | Wash contaminated clothing before reuse. |

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 | Xi |
|--------------------------------|----|

SAFETY ADVICE

| | |
|------------|--|
| S02 | Keep out of reach of children. |
| S24 | Avoid contact with skin. |
| S26 | In case of contact with eyes, rinse with plenty of water and contact Doctor or Poisons Information Centre. |
| S35 | This material and its container must be disposed of in a safe way. |
| S37 | Wear suitable gloves. |
| S39 | Wear eye/face protection. |
| S40 | To clean the floor and all objects contaminated by this material, use water and detergent. |
| S46 | If swallowed, seek medical advice immediately and show this container or label. |
| S56 | Dispose of this material and its container at hazardous or special waste collection point. |
| S64 | If swallowed, rinse mouth with water (only if the person is conscious). |

Permatex Water Pump & Thermostat RTV Silicone Gasket

Other hazards

| | |
|--|---|
| | Inhalation and/or ingestion may produce health damage*. |
| | Cumulative effects may result following exposure*. |
| | Limited evidence of a carcinogenic effect*. |
| | Possible respiratory sensitizer*. |

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 | 20-40 | <u>calcium carbonate</u> |
| 12178-41-5 | 10-30 | <u>garnet natural</u> |
| 2224-33-1 | <7 | <u>vinyltris(methylethylketoxime)silane</u> |
| 57-11-4 | <2 | <u>stearic acid</u> |
| | | Cures in the presence of water or moisture |
| | | releasing a small amount of |
| 96-29-7 | | <u>methyl ethyl ketoxime</u> |

Cures in the presence of water or moisture releasing a small amount of

SECTION 4 FIRST AID MEASURES

Description of first aid measures

| | |
|---------------------|--|
| Eye Contact | <p>If this product comes in contact with the eyes:</p> <ul style="list-style-type: none"> ▶ Wash out immediately with fresh running water. ▶ 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. ▶ Seek medical attention without delay; if pain persists or recurs seek medical attention. ▶ Removal of contact lenses after an eye injury should only be undertaken by skilled personnel. |
| Skin Contact | <p>If skin contact occurs:</p> <ul style="list-style-type: none"> ▶ Immediately remove all contaminated clothing, including footwear. ▶ Flush skin and hair with running water (and soap if available). ▶ Seek medical attention in event of irritation. |
| Inhalation | <ul style="list-style-type: none"> ▶ If fumes or combustion products are inhaled remove from contaminated area. ▶ Lay patient down. Keep warm and rested. ▶ Prostheses such as false teeth, which may block airway, should be removed, where possible, prior to initiating first aid procedures. ▶ Apply artificial respiration if not breathing, preferably with a demand valve resuscitator, bag-valve mask device, or pocket mask as trained. Perform CPR if necessary. ▶ Transport to hospital, or doctor. |
| Ingestion | <ul style="list-style-type: none"> ▶ If swallowed do NOT induce vomiting. ▶ If vomiting occurs, lean patient forward or place on left side (head-down position, if possible) to maintain open airway and prevent aspiration. ▶ Observe the patient carefully. ▶ Never give liquid to a person showing signs of being sleepy or with reduced awareness; i.e. becoming unconscious. ▶ Give water to rinse out mouth, then provide liquid slowly and as much as casualty can comfortably drink. ▶ Seek medical advice. |

Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5 FIREFIGHTING MEASURES

Extinguishing media

| | |
|--|---|
| | <ul style="list-style-type: none"> ▶ Water spray or fog. ▶ Alcohol stable foam. |
|--|---|

Permatex Water Pump & Thermostat RTV Silicone Gasket

- ▶ Dry chemical powder.
- ▶ Carbon dioxide.

Special hazards arising from the substrate or mixture

Fire Incompatibility

- ▶ Avoid contamination with oxidising agents i.e. nitrates, oxidising acids, chlorine bleaches, pool chlorine etc. as ignition may result

Advice for firefighters

Fire Fighting

- ▶ Alert Fire Brigade and tell them location and nature of hazard.
- ▶ Wear breathing apparatus plus protective gloves.
- ▶ Prevent, by any means available, spillage from entering drains or water course.
- ▶ Use water delivered as a fine spray to control fire and cool adjacent area.

Fire/Explosion Hazard

- ▶ Combustible.
- ▶ Slight fire hazard when exposed to heat or flame.
- ▶ Heating may cause expansion or decomposition leading to violent rupture of containers.
- ▶ On combustion, may emit toxic fumes of carbon monoxide (CO).

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Minor Spills

- Slippery when spilt.
- ▶ Clean up all spills immediately.
 - ▶ Avoid contact with skin and eyes.
 - ▶ Wear impervious gloves and safety goggles.

Major Spills

- Slippery when spilt.
- ▶ Clear area of personnel and move upwind.
 - ▶ Alert Fire Brigade and tell them location and nature of hazard.
 - ▶ Wear breathing apparatus plus protective gloves.

Personal Protective Equipment advice is contained in Section 8 of the SDS.

SECTION 7 HANDLING AND STORAGE

Precautions for safe handling

Safe handling

- ▶ Avoid all personal contact, including inhalation.
- ▶ Wear protective clothing when risk of exposure occurs.
- ▶ Use in a well-ventilated area.
- ▶ Prevent concentration in hollows and sumps.

Other information

- ▶ Store in original containers.
- ▶ Keep containers securely sealed.
- ▶ No smoking, naked lights or ignition sources.
- ▶ Store in a cool, dry, well-ventilated area.
- ▶ Store below 32 C.

Conditions for safe storage, including any incompatibilities

Suitable container

- Container must be air-tight
- ▶ Metal can or drum
 - ▶ Packaging as recommended by manufacturer.
 - ▶ Check all containers are clearly labelled and free from leaks.

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 |

Permatex Water Pump & Thermostat RTV Silicone Gasket


| | | | | | | |
|------------------------------|----------------|---|----------|---------------|---------------|---------------|
| 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 |

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 |
| 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 |
| stearic acid | Not Available | Not Available |
| methyl ethyl ketoxime | Not Available | Not Available |

Exposure controls

| | |
|---|--|
| Appropriate engineering controls | Use in a well-ventilated area General exhaust is adequate under normal operating conditions. |
| Personal protection |  |
| Eye and face protection | <ul style="list-style-type: none"> Safety glasses with side shields. Chemical goggles. Contact lenses may pose a special hazard; soft contact lenses may absorb and concentrate irritants. A written policy document, describing the wearing of lenses or restrictions on use, should be created for each workplace or task. |
| Skin protection | See Hand protection below |
| Hands/feet protection | <ul style="list-style-type: none"> Wear chemical protective gloves, e.g. PVC. Wear safety footwear or safety gumboots, e.g. Rubber <p>NOTE:</p> <ul style="list-style-type: none"> The material may produce skin sensitisation in predisposed individuals. Care must be taken, when removing gloves and other protective equipment, to avoid all possible skin contact. Contaminated leather items, such as shoes, belts and watch-bands should be removed and destroyed. |
| Body protection | See Other protection below |
| Other protection | <ul style="list-style-type: none"> Overalls. P.V.C. apron. Barrier cream. |
| 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:

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.

Permatex Water Pump & Thermostat RTV Silicone Gasket Not Available

| 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.

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. | | |
|--|--|---|----------------|
| Physical state | Non Slump Paste | Relative density (Water = 1) | 1.47 |
| 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 |
| Initial boiling point and boiling range (°C) | Not Applicable | Molecular weight (g/mol) | Not Applicable |
| Flash point (°C) | >93 (TCC) | Taste | Not Available |
| Evaporation rate | Not Available | Explosive properties | Not Available |
| Flammability | Not Applicable | Oxidising properties | Not Available |
| Upper Explosive Limit (%) | Not Applicable | Surface Tension (dyn/cm or mN/m) | Not Available |
| Lower Explosive Limit (%) | Not Applicable | Volatile Component (%vol) | VOC <2 wt% |
| Vapour pressure (kPa) | <1 @ 21C | Gas group | Not Available |
| Solubility in water (g/L) | Immiscible | pH as a solution (1%) | Not Available |
| Vapour density (Air = 1) | >1 | VOC g/L | Not Available |

SECTION 10 STABILITY AND REACTIVITY

| | |
|------------------------------------|--|
| Reactivity | See section 7 |
| Chemical stability | <ul style="list-style-type: none"> ▶ Unstable in the presence of incompatible materials. ▶ Product is considered stable. ▶ Hazardous polymerisation will not occur. |
| Possibility of hazardous reactions | See section 7 |
| Conditions to avoid | See section 7 |
| Incompatible materials | See section 7 |

Permatex Water Pump & Thermostat RTV Silicone Gasket

| | |
|---|---------------|
| Hazardous decomposition products | See section 5 |
|---|---------------|

SECTION 11 TOXICOLOGICAL INFORMATION

Information on toxicological effects

| | |
|---------------------|--|
| Inhaled | Inhalation of vapours or aerosols (mists, fumes), generated by the material during the course of normal handling, may be damaging to the health of the individual. The major toxic effects of MEKO, regardless of the route of administration, are anaemia with breakdown of red blood cells, rapid breathing and reversible reduction in spontaneous activity, motor coordination and muscle tone. At extremely high concentrations it may cause unconsciousness and failure of breathing. |
| Ingestion | Accidental ingestion of the material may be damaging to the health of the individual. Smoothing the sealant with saliva wet finger may introduce sealant into the mouth. Safer alternates should replace this poor work practice. Small amounts may be highly irritating to sensitive mouth parts and in extreme cases produce small blisters but no toxic effects are known. |
| Skin Contact | 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. 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. |
| Eye | This material can cause eye irritation and damage in some persons. |
| Chronic | Skin contact with the material is more likely to cause a sensitisation reaction in some persons compared to the general population. |

| Permatex Water Pump & Thermostat RTV Silicone Gasket | TOXICITY | IRRITATION |
|--|---|------------------------------------|
| | Not Available | Not Available |
| dimethylsiloxane, hydroxy-terminated | TOXICITY | IRRITATION |
| | Dermal (rabbit) LD50: >15520 mg/kg ^[2] | Nil reported |
| | Inhalation (rat) LC50: >8.75 mg/L/7H ^[2] | |
| | Oral (rat) LD50: >5000 mg/kg*d ^[2] | |
| | Oral (rat) LD50: >62080 mg/kg ^[2] | |
| calcium carbonate | TOXICITY | IRRITATION |
| | dermal (rat) LD50: >2000 mg/kg ^[1] | Eye (rabbit): 0.75 mg/24h - SEVERE |
| | Oral (rat) LD50: >2000 mg/kg ^[1] | Skin (rabbit): 500 mg/24h-moderate |
| | Oral (rat) LD50: 6450 mg/kg ^[2] | |
| garnet natural | TOXICITY | IRRITATION |
| | Not Available | Not Available |
| vinyltris(methylethylketoxime)silane | TOXICITY | IRRITATION |
| | Not Available | Not Available |
| stearic acid | TOXICITY | IRRITATION |
| | Dermal (rabbit) LD50: >2000 mg/kg ^[1] | Skin (human): 75 mg/3d-I-mild |
| | Oral (rat) LD50: >2000 mg/kg ^[1] | Skin (rabbit):500 mg/24h-moderate |
| methyl ethyl ketoxime | TOXICITY | IRRITATION |
| | Dermal (rabbit) LD50: >184<2 mg/kg ^[1] | Eye (rabbit): 0.1 ml - SEVERE |
| | Inhalation (rat) LC50: 20 mg/l/4h ^{**} [2] | |
| | Oral (rat) LD50: >900 mg/kg ^[1] | |

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

Permatex Water Pump & Thermostat RTV Silicone Gasket

| | |
|---|--|
| 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. * [Mobay Chemical Corp] **[GE] |
| CALCIUM CARBONATE | No evidence of carcinogenic properties. No evidence of mutagenic or teratogenic effects. |
| GARNET NATURAL | No significant acute toxicological data identified in literature search. |
| STEARIC ACID | Equivocal tumorigen by RTEC criteria |
| METHYL ETHYL KETOXIME | Mammalian lymphocyte mutagen *Huls Canada ** Merck |
| 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 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. |
| VINYLTRIS(METHYLETHYLKETOXIME)SILANE & METHYL ETHYL KETOXIME | The following information refers to contact allergens as a group and may not be specific to this product. 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. |

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

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

| | |
|-------------------------------------|--|
| Product / Packaging disposal | <ul style="list-style-type: none"> ▶ Recycle wherever possible or consult manufacturer for recycling options. ▶ Consult State Land Waste Management Authority for disposal. ▶ Bury residue in an authorised landfill. ▶ Recycle containers if possible, or dispose of in an authorised landfill. |
|-------------------------------------|--|

SECTION 14 TRANSPORT INFORMATION

Labels Required

| | |
|-------------------------|----------------|
| Marine Pollutant | NO |
| HAZCHEM | Not Applicable |

Land transport (ADG): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

Air transport (ICAO-IATA / DGR): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

Sea transport (IMDG-Code / GGVSee): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

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)

STEARIC ACID(57-11-4) 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; garnet natural; vinyltris(methylethylketoxime)silane; stearic acid) |
| China - IECSC | Y |

Continued...

Permatex Water Pump & Thermostat RTV Silicone Gasket

| | |
|-------------------------------|--|
| Europe - EINEC / ELINCS / NLP | N (dimethylsiloxane, hydroxy-terminated; garnet natural) |
| Japan - ENCS | N (garnet natural) |
| Korea - KECI | Y |
| New Zealand - NZIoC | Y |
| Philippines - PICCS | Y |
| USA - TSCA | N (garnet natural) |
| Legend: | <i>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)</i> |

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

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 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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