## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

### 1.1 Product identifier

**Product name** **RAMSET ULTRAFIX PLUS (NZ)**

**Synonyms** RAMSET ULTRA FIX PLUS ● UFP300, R019179 - PRODUCT CODE(S)

### 1.2 Uses and uses advised against

**Uses** ADHESIVE ● ANCHORING COMPOUND ● ANCHORING SYSTEM

### 1.3 Details of the supplier of the product

**Supplier name** **RAMSETREID NZ (A DIVISION OF ITW NEW ZEALAND)**

**Address** 23-29 Poland Road, Glenfield, Auckland, 0627, NEW ZEALAND

**Telephone** 0800 88 22 12

**Email** info@ramset.co.nz

**Website** http://www.ramset.co.nz

### 1.4 Emergency telephone numbers

**Emergency** 0800 734 607

## 2. HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

HAZARDOUS ACCORDING TO NZ ENVIRONMENTAL PROTECTION AUTHORITY CRITERIA

**Physical Hazards**

Not classified as a Physical Hazard

**Health Hazards**

Acute Toxicity: Inhalation: Category 4
Germ Cell Mutagenicity: Category 2
Serious Eye Damage / Eye Irritation: Category 2A
Skin Sensitisation: Category 1
Specific Target Organ Toxicity (Repeated Exposure): Category 2
Toxic to Reproduction: Category 2

**Environmental Hazards**

Aquatic Toxicity (Acute): Category 1
Aquatic Toxicity (Chronic): Category 1

### 2.2 GHS Label elements

**Signal word** **WARNING**

**Pictograms**

**Hazard statements**

| | |
|---|---|
| H317 | May cause an allergic skin reaction. |
| H319 | Causes serious eye irritation. |
| H332 | Harmful if inhaled. |
| H341 | Suspected of causing genetic defects. |
| H361 | Suspected of damaging fertility or the unborn child. |
| H373 | May cause damage to organs through prolonged or repeated exposure. |
| H400 | Very toxic to aquatic life. |
| H410 | Very toxic to aquatic life with long lasting effects. |

**Prevention statements**

| | |
|---|---|
| P201 | Obtain special instructions before use. |
| P202 | Do not handle until all safety precautions have been read and understood. |
| P260 | Do not breathe dust/fume/gas/mist/vapours/spray. |
| P264 | Wash thoroughly after handling. |
| P271 | Use only outdoors or in a well-ventilated area. |
| P272 | Contaminated work clothing should not be allowed out of the workplace. |
| P273 | Avoid release to the environment. |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection. |

**Response statements**

| | |
|---|---|
| P302 + P352 | IF ON SKIN: Wash with plenty of water. |
| P304 + P340 | IF INHALED: Remove person to fresh air and keep comfortable for breathing. |
| P305 + P351 + P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P308 + P313 | IF exposed or concerned: Get medical advice/ attention. |
| P321 | Specific treatment is advised - see first aid instructions. |
| P362 + P364 | Take off contaminated clothing and wash it before reuse. |
| P391 | Collect spillage. |

**Storage statements**

| | |
|---|---|
| P405 | Store locked up. |

**Disposal statements**

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

### 2.3 Other hazards

No information provided.

## 3. COMPOSITION/ INFORMATION ON INGREDIENTS

### 3.1 Substances / Mixtures

| Ingredient | CAS Number | EC Number | Content |
|---|---|---|---|
| GLYCEROL (GLYCERINE) | 56-81-5 | 200-289-5 | 30 to <60% |
| QUARTZ (CRYSTALLINE SILICA) | 14808-60-7 | 238-878-4 | 30 to <60% |
| BENZOYL PEROXIDE | 94-36-0 | 202-327-6 | 10 to <30% |
| CALCIUM CARBONATE | 471-34-1 | 207-439-9 | 10 to <30% |
| VINYLTOLUENE | 25013-15-4 | 246-562-2 | 10 to <30% |
| ZINC STEARATE | 557-05-1 | 209-151-9 | <10% |

**Ingredient Notes** Product is a combined capsule, ingredients listed above are a breakdown of the entire product. Product combines at a ratio 10:1 (Part A: Part B). Ingredients are separate within the capsule as described below:
Part A: Quartz, calcium carbonate and vinyltoluene
Part B: Glycerol, dibenzoyl peroxide and zinc distearate.

## 4. FIRST AID MEASURES

### 4.1 Description of first aid measures

**Eye** If in eyes, hold eyelids apart and flush continuously with running water. Continue flushing until advised to stop by a Poisons Information Centre, a doctor, or for at least 15 minutes.

**Inhalation** If inhaled, remove from contaminated area. To protect rescuer, use a Type A (Organic vapour) respirator or an Air-line respirator (in poorly ventilated areas). Apply artificial respiration if not breathing.

**Skin** If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. Continue flushing with water until advised to stop by a Poisons Information Centre or a doctor.

For advice, contact the National Poisons Centre on 0800 764 766 (0800 POISON) or +643 479 7248 or a

**Ingestion** doctor (at once). If swallowed, do not induce vomiting. Ingestion is considered unlikely due to product form. Rinse mouth with water provided person is conscious.

**First aid facilities** Eye wash facilities and safety shower are recommended.

### 4.2 Most important symptoms and effects, both acute and delayed

See Section 11 for more detailed information on health effects and symptoms.

### 4.3 Immediate medical attention and special treatment needed

Treat symptomatically.

## 5. FIRE FIGHTING MEASURES

### 5.1 Extinguishing media

Dry agent, carbon dioxide or foam. Prevent contamination of drains and waterways. Do not use water jets.

### 5.2 Special hazards arising from the substance or mixture

Non flammable. May evolve toxic gases (carbon oxides, styrene, hydrocarbons) when heated to decomposition. Styrene may polymerise readily at elevated temperatures and may violently rupture sealed containers.

### 5.3 Advice for firefighters

Non flammable. Evacuate area and contact emergency services. Toxic gases (hydrocarbons, carbon oxides, styrene) may be evolved when heated. Remain upwind and notify those downwind of hazard. Wear full protective equipment including Self Contained Breathing Apparatus (SCBA) when combating fire. Use waterfog to cool nearby storage areas.

### 5.4 Hazchem code

2Z

2 Fine Water Spray.

Z Wear full fire kit and breathing apparatus. Contain spill and run-off.

## 6. ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions, protective equipment and emergency procedures

Wear Personal Protective Equipment (PPE) as detailed in section 8 of the SDS. Ventilate area where possible.

### 6.2 Environmental precautions

Prevent product from entering drains and waterways.

### 6.3 Methods of cleaning up

Contain spillage, then cover / absorb spill with non-combustible absorbent material (vermiculite, sand, or similar), collect and place in suitable containers for disposal. Eliminate all sources of ignition.

### 6.4 Reference to other sections

See Sections 8 and 13 for exposure controls and disposal.

## 7. HANDLING AND STORAGE

### 7.1 Precautions for safe handling

Before use carefully read the product label. Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Observe good personal hygiene, including washing hands before eating. Prohibit eating, drinking and smoking in contaminated areas.

### 7.2 Conditions for safe storage, including any incompatibilities

Store in a cool, dry, well ventilated area, removed from incompatible substances, heat or ignition sources and foodstuffs. Ensure containers are adequately labelled, protected from physical damage and sealed when not in use. Check regularly for leaks or spills. Large storage areas should have appropriate ventilation and fire protection systems.

### 7.3 Specific end uses

No information provided.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### 8.1 Control parameters

**Exposure standards**

| Ingredient | Reference | TWA | | STEL | |
|---|---|---|---|---|---|
| | | ppm | mg/m³ | ppm | mg/m³ |
| Benzoyl peroxide | WES [NZ] | -- | 5 | -- | -- |
| Calcium carbonate | WES [NZ] | -- | 10 | -- | -- |
| Glycerin mist | WES [NZ] | -- | 10 | -- | -- |
| Silica-Crystalline (all forms) | WES [NZ] | -- | 0.025 | -- | -- |
| Vinyl toluene | WES [NZ] | 50 | 242 | 100 | 483 |
| Zinc stearate | WES [NZ] | -- | -- | -- | -- |

**Biological limits**

No biological limit values have been entered for this product.

### 8.2 Exposure controls

**Engineering controls** No information provided.

**PPE**

**Eye / Face** Wear splash-proof goggles.

**Hands** Wear barrier gloves.

**Body** Wear coveralls.

**Respiratory** Where an inhalation risk exists, wear a Type A (Organic vapour) respirator.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

| | |
|---|---|
| **Appearance** | COLOURED PASTE (CARTRIDGE ENCLOSED) |
| **Odour** | CHARACTERISTIC ODOUR |
| **Flammability** | NON FLAMMABLE |
| **Flash point** | NOT RELEVANT |
| **Boiling point** | NOT AVAILABLE |
| **Melting point** | NOT AVAILABLE |
| **Evaporation rate** | NOT AVAILABLE |
| **pH** | NOT AVAILABLE |
| **Vapour density** | NOT AVAILABLE |
| **Relative density** | NOT AVAILABLE |
| **Solubility (water)** | NOT AVAILABLE |
| **Vapour pressure** | NOT AVAILABLE |
| **Upper explosion limit** | NOT RELEVANT |
| **Lower explosion limit** | NOT RELEVANT |
| **Partition coefficient** | NOT AVAILABLE |
| **Autoignition temperature** | NOT AVAILABLE |
| **Decomposition temperature** | NOT AVAILABLE |
| **Viscosity** | NOT AVAILABLE |
| **Explosive properties** | NOT AVAILABLE |
| **Oxidising properties** | NOT AVAILABLE |
| **Odour threshold** | NOT AVAILABLE |

### 9.2 Other information

| | |
|---|---|
| **VOC** | 178.7 g/L |

## 10. STABILITY AND REACTIVITY

### 10.1 Reactivity
Carefully review all information provided in sections 10.2 to 10.6.

### 10.2 Chemical stability
Stable under recommended conditions of storage.

### 10.3 Possibility of hazardous reactions
Styrene may polymerise with violent rupture/explosion.

### 10.4 Conditions to avoid
Avoid heat, sparks, open flames and other ignition sources.

### 10.5 Incompatible materials
Incompatible with combustible materials, oxidising agents (e.g. hypochlorites), acids (e.g. nitric acid), alkalis (e.g. sodium hydroxide), reducing agents (e.g. sulphites), amines, halogens, sunlight, ferrous salts, heavy metals, heat and ignition sources. May polymerise with violent rupture/explosion.

### 10.6 Hazardous decomposition products
May evolve toxic gases (carbon and styrene oxides, hydrocarbons) when heated to decomposition.

## 11. TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects
**Acute toxicity** Harmful if inhaled.

**Information available for the ingredients:**

| Ingredient | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|---|---|---|---|
| GLYCEROL (GLYCERINE) | 4090 mg/kg (mouse) | -- | -- |
| BENZOYL PEROXIDE | 5700 mg/kg (mouse) | > 1000 mg/kg (mammal) | -- |
| CALCIUM CARBONATE | > 2000 mg/kg (rat) | > 2000 mg/kg (rat) | > 3.0 mg/L |

**Skin** Due to product encapsulation, the potential for skin contact with contents is reduced. If the container is damaged, contact may result in irritation, redness, pain, rash, dermatitis and possible burns. Effects may be delayed.

**Eye** Due to product encapsulation, the potential for eye contact with contents is reduced. If the container is damaged, direct contact may result in irritation, lacrimation and burns.

**Sensitisation** May cause an allergic skin reaction. This product is not classified as a respiratory sensitiser.

**Mutagenicity** Due to the product encapsulation, exposure to contents is not anticipated with normal use. Suspected of causing genetic defects.

**Carcinogenicity** Due to the product encapsulation, exposure to contents is not anticipated with normal use. Crystalline silica is classified as carcinogenic to humans (IARC Group 1). However, there is a body of evidence supporting the fact that increased cancer risk would be limited to people already suffering from silicosis. Due to the product form, adverse health effects from this component are not anticipated unless sanding the cured product.

**Reproductive** Due to the product encapsulation, exposure to contents is not anticipated with normal use. Suspected of damaging fertility or the unborn child.

**STOT - single exposure** Over exposure may result in irritation of the nose and throat, coughing, nausea, vomiting, dizziness and breathing difficulties. High level exposure may result in respiratory paralysis and unconsciousness.

**STOT - repeated exposure** Due to product encapsulation, the potential for exposure to the contents is reduced. Adverse health effects, usually associated with long term exposure to high crystalline silica dust levels are not anticipated due to the product form. However, the product may present a hazard if respirable quartz dust is generated (ie. sanding dried product). Repeated exposure to dust may cause lung fibrosis (silicosis).

**Aspiration** Not classified as causing aspiration.

## 12. ECOLOGICAL INFORMATION

### 12.1 Toxicity
Very toxic to aquatic life with long lasting effects.

### 12.2 Persistence and degradability
No information provided.

### 12.3 Bioaccumulative potential
No information provided.

### 12.4 Mobility in soil
No information provided.

### 12.5 Other adverse effects
If released to the atmosphere, styrene will react rapidly with both hydroxyl radicals and ozone with a combined calculated half-life of about 5 hours. If released to environmental bodies of water, styrene will volatilise relatively rapidly and biodegrade, but is not expected to hydrolyse. If released to soil it will biodegrade and have low soil mobility.

## 13. DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods
**Waste disposal** For small quantities, mix with other component/s, absorb with sand, vermiculite or similar and dispose of to an approved landfill site. Contact the manufacturer/supplier for additional information (if required). Ensure protective equipment is worn when mixing. Prevent contamination of drains and waterways as aquatic life may be threatened and environmental damage may result.

**Legislation** Dispose of in accordance with relevant local legislation.

## 14. TRANSPORT INFORMATION

**CLASSIFIED AS A DANGEROUS GOOD ACCORDING TO LAND TRANSPORT RULE: DANGEROUS GOODS 2005; NZS 5433:2012, UN, IMDG OR IATA**


| | LAND TRANSPORT (NZS 5433) | SEA TRANSPORT (IMDG / IMO) | AIR TRANSPORT (IATA / ICAO) |
|---|---|---|---|
| **14.1 UN Number** | 3077 | 3077 | 3077 |
| **14.2 Proper Shipping Name** | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (contains dibenzoyl peroxide) | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (contains dibenzoyl peroxide) | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (contains dibenzoyl peroxide) |
| **14.3 Transport hazard class** | 9 | 9 | 9 |
| **14.4 Packing Group** | III | III | III |

### 14.5 Environmental hazards
Marine Pollutant.

### 14.6 Special precautions for user
**Hazchem code** 2Z

**EmS** F-A, S-F

**Other information** The environmentally hazardous substance mark is not required when transported in packages of less than 5 kg/L (UN Model Regulations: Special Provision 375; IATA: Special Provision A197; IMDG: Special Provision 969).

## 15. REGULATORY INFORMATION

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
**Approval code** HSR002544 (2020)

**Group standard** Construction Products (Subsidiary Hazard) Group Standard 2020

**Inventory listings**

**AUSTRALIA: AIIC (Australian Inventory of Industrial Chemicals)**
All components are listed on AIIC, or are exempt.
**NEW ZEALAND: NZIoC (New Zealand Inventory of Chemicals)**
All components are listed on the NZIoC inventory, or are exempt.

## 16. OTHER INFORMATION

**Additional information**

ORGANIC PEROXIDES: Fires involving organic peroxides can be intense and move rapidly due to product rapid decomposition with release of oxygen and may involve explosions. If spilt on combustible materials it may spontaneously ignite. A diluent is often added to organic peroxides to reduce shock sensitivity.

IARC GROUP 2B - POSSIBLE HUMAN CARCINOGEN. This product contains an ingredient which has demonstrated sufficient evidence to have been classified by the International Agency for Research into Cancer (IARC) as possibly carcinogenic to humans and whose use should be strictly monitored and controlled.

PERSONAL PROTECTIVE EQUIPMENT GUIDELINES:
The recommendation for protective equipment contained within this report is provided as a guide only. Factors such as form of product, method of application, working environment, quantity used, product concentration and the availability of engineering controls should be considered before final selection of personal protective equipment is made.

HEALTH EFFECTS FROM EXPOSURE:
It should be noted that the effects from exposure to this product will depend on several factors including: form of product; frequency and duration of use; quantity used; effectiveness of control measures; protective equipment used and method of application. Given that it is impractical to prepare a report which would encompass all possible scenarios, it is anticipated that users will assess the risks and apply control methods where appropriate.

**Abbreviations**

| | |
|---|---|
| ACGIH | American Conference of Governmental Industrial Hygienists |
| CAS # | Chemical Abstract Service number - used to uniquely identify chemical compounds |
| CCID | Chemical Classification and Information Database (HSNO) |
| CNS | Central Nervous System |
| EC No. | EC No - European Community Number |
| EMS | Emergency Schedules (Emergency Procedures for Ships Carrying Dangerous Goods) |
| EPA | Environmental Protection Authority [New Zealand] |
| GHS | Globally Harmonized System |
| HSNO | Hazardous Substances and New Organisms |
| IARC | International Agency for Research on Cancer |
| LC50 | Lethal Concentration, 50% / Median Lethal Concentration |
| LD50 | Lethal Dose, 50% / Median Lethal Dose |
| mg/m³ | Milligrams per Cubic Metre |
| OEL | Occupational Exposure Limit |
| pH | relates to hydrogen ion concentration using a scale of 0 (high acidic) to 14 (highly alkaline). |
| ppm | Parts Per Million |
| STEL | Short-Term Exposure Limit |
| STOT-RE | Specific target organ toxicity (repeated exposure) |
| STOT-SE | Specific target organ toxicity (single exposure) |
| TLV | Threshold Limit Value |
| TWA | Time Weighted Average |

**Report status**

This document has been compiled by RMT on behalf of the manufacturer, importer or supplier of the product and serves as their Safety Data Sheet ('SDS').

It is based on information concerning the product which has been provided to RMT by the manufacturer, importer or supplier or obtained from third party sources and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for the product at the time of issue. Further clarification regarding any aspect of the product should be obtained directly from the manufacturer, importer or supplier.

While RMT has taken all due care to include accurate and up-to-date information in this SDS, it does not provide any warranty as to accuracy or completeness. As far as lawfully possible, RMT accepts no liability for any loss, injury or damage (including consequential loss) which may be suffered or incurred by any person as a consequence of their reliance on the information contained in this SDS.

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