
1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

1.1 Product identifier

Product name RAMSET HISEAL DURAMAX

Synonyms HISEAL DURAMAX • HSDMG600, HSDMB600, HSDMW300 - PRODUCT CODES • RAMSET HISEAL DURAMAX, 300ML GREY, WHITE AND BLACK • RAMSET HISEAL DURAMAX, 500ML GREY, WHITE AND BLACK • RAMSET SMP SEALANT BLACK • RAMSET SMP SEALANT GREY

1.2 Uses and uses advised against

Uses CONSTRUCTION APPLICATIONS • SEALANT

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

Serious Eye Damage / Eye Irritation: Category 2A

Skin Corrosion/Irritation: Category 3

Skin Sensitisation: Category 1

Environmental Hazards

Not classified as an Environmental Hazard

2.2 GHS Label elements

Signal word WARNING

Pictograms



Hazard statements

H316 Causes mild skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

PRODUCT NAME RAMSET HISEAL DURAMAX**Prevention statements**

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
 P264 Wash thoroughly after handling.
 P272 Contaminated work clothing should not be allowed out of the workplace.
 P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.

Response statements

P302 + P352 IF ON SKIN: Wash with plenty of water.
 P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P321 Specific treatment is advised - see first aid instructions.
 P332 + P337 + P313 If skin or eye irritation occurs: Get medical advice/ attention.
 P337 + P313 If eye irritation persists: Get medical advice/attention.
 P362 + P364 Take off contaminated clothing and wash it before reuse.

Storage statements

None allocated.

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 |
|--|---------------|---------------|---------------|
| CALCIUM CARBONATE | 471-34-1 | 207-439-9 | 40 to <80% |
| BIS[(3-METHYLDIMETHOXSILYL)PROPYL]POLYPROPYLENE OXIDE | 75009-88-0 | - | 10 to <20% |
| OCTADECANOIC ACID, 12-HYDROXY-, REACTION PRODUCTS WITH ETHYLENEDIAMINE | 100545-48-0 | 309-629-8 | 1 to <3% |
| 3-AMINOPROPYL TRIETHOXSILANE | 919-30-2 | 213-048-4 | 0.1 to <1% |
| DECANOIC ACID, BIS (2,2,6,6-TETRAMETHYL-4-PIPERIDINYL) ESTER | 52829-07-9 | 258-207-9 | 0.1 to <1% |
| METHANOL (EVOLVED) | 67-56-1 | 200-659-6 | <1% |
| N-(3-(TRIMETHOXSILYL)PROPYL)ETHYLENEDIAMINE | 1760-24-3 | 217-164-6 | 0.1 to <1% |
| 2-(ISOQUINOLIN-6-YL)ACETIC ACID | 1000545-64-1 | - | Not Available |
| NON HAZARDOUS INGREDIENTS | Not Available | Not Available | Remainder |
| DIISONONYL HEXAHYDROPHTHALATE | 166412-78-8 | - | 10 to <20% |

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. 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.

Ingestion For advice, contact the National Poisons Centre on 0800 764 766 (0800 POISON) or +643 479 7248 or a doctor (at once). If swallowed, do not induce vomiting.

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

Use an extinguishing agent suitable for the surrounding fire.

5.2 Special hazards arising from the substance or mixture

Non flammable. May evolve toxic gases (carbon/ silicon oxides, hydrocarbons) when heated to decomposition. May evolve methanol when heated to decomposition.

5.3 Advice for firefighters

Treat as per requirements for surrounding fires. Evacuate area and contact emergency services. 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 intact containers and nearby storage areas.

5.4 Hazchem code

None allocated.

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.

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.

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 fire protection systems. Protect from moisture, freezing and sunlight. Store between 5°C and 35°C.

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/m ³ | ppm | mg/m ³ |
| Calcium carbonate | WES [NZ] | -- | 10 | -- | -- |
| Methanol | WES [NZ] | 200 | 262 | 250 | 328 |

Biological limits

| Ingredient | Determinant | Sampling Time | BEI |
|--------------------|-------------------|---------------|---------|
| METHANOL (EVOLVED) | Methanol in urine | End of shift | 15 mg/L |

Reference: ACGIH Biological Exposure Indices

8.2 Exposure controls

Engineering controls Avoid inhalation. Use in well ventilated areas. Where an inhalation risk exists, mechanical extraction ventilation is recommended.

PPE

| | |
|--------------------|--|
| Eye / Face | Wear splash-proof goggles. |
| Hands | Wear PVC or rubber gloves. When using large quantities or where heavy contamination is likely, wear viton® gloves. |
| Body | When using large quantities or where heavy contamination is likely, 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 | GREY PASTE |
| 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 | 1.45 to 1.55 |
| Solubility (water) | SLIGHTLY SOLUBLE |
| Vapour pressure | < 1100 hPa @ 50°C |
| Upper explosion limit | NOT RELEVANT |
| Lower explosion limit | NOT RELEVANT |
| Partition coefficient | NOT AVAILABLE |
| Autoignition temperature | NOT AVAILABLE |
| Decomposition temperature | NOT AVAILABLE |
| Viscosity | 7000 Pa·s to 13000 Pa·s @ 23°C |
| Explosive properties | NOT AVAILABLE |
| Oxidising properties | NOT AVAILABLE |
| Odour threshold | NOT AVAILABLE |

9.2 Other information

| | |
|----------------|--|
| Density | 1.5 g/cm ³ @ 20°C (Approximately) |
|----------------|--|

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

Small amounts of methanol are formed by hydrolysis, and released upon curing.

10.4 Conditions to avoid

Avoid heat, sparks, open flames and other ignition sources. Avoid exposure to moisture.

10.5 Incompatible materials

Incompatible with oxidising agents (e.g. hypochlorites), acids (e.g. nitric acid), water, alkalis (e.g. sodium hydroxide), heat and ignition sources.

PRODUCT NAME RAMSET HISEAL DURAMAX**10.6 Hazardous decomposition products**

May evolve toxic gases (carbon/ silicon oxides, hydrocarbons) when heated to decomposition.

11. TOXICOLOGICAL INFORMATION**11.1 Information on toxicological effects**

Acute toxicity Acute exposure may result in nausea, vomiting, abdominal pain, diarrhoea, dizziness and drowsiness.

Information available for the ingredients:

| Ingredient | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|---|--------------------|---------------------|------------------------------------|
| CALCIUM CARBONATE | > 2000 mg/kg (rat) | > 2000 mg/kg (rat) | > 3.0 mg/L |
| 3-AMINOPROPYL TRIETHOXSILANE | 1780 mg/kg (rat) | 4290 mg/kg (rabbit) | > 5 ppm/6hrs (rat) |
| DECANOIC ACID, BIS (2,2,6,6-TETRAMETHYL-4-PIPERIDINYL) ESTER | -- | -- | 500 mg/m ³ /4 hrs (Rat) |
| N-(3-(TRIMETHOXSILYL)PROPYL)ETHYLENE DIAMINE | 7460 mg/kg (rat) | -- | -- |

| | |
|---------------------------------|--|
| Skin | Contact may result in irritation, redness, pain and rash. |
| Eye | Contact may result in irritation, lacrimation, pain and redness. |
| Sensitisation | May cause an allergic skin reaction. This product is not classified as a respiratory sensitiser. |
| Mutagenicity | Not classified as a mutagen. |
| Carcinogenicity | Not classified as a carcinogen. |
| Reproductive | Not classified as a reproductive toxin. |
| STOT - single exposure | Over exposure to vapours may result in irritation of the nose and throat, coughing, nausea and headache. |
| STOT - repeated exposure | Not classified as causing organ damage from repeated exposure. |
| Aspiration | Not classified as causing aspiration. |

12. ECOLOGICAL INFORMATION**12.1 Toxicity**

Not expected to be dangerous to the aquatic environment.

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 soil, silicones/polysiloxanes will adsorb strongly & remain immobile. Will not volatilise to the atmosphere or biodegrade. Polysiloxanes will only hydrolyse in clay soils. If released to water, they should adsorb strongly to sediment and suspended organic matter. Will not bioconcentrate in aquatic organisms because they are too big to pass through biological membranes.

13. DISPOSAL CONSIDERATIONS**13.1 Waste treatment methods**

Waste disposal For small amounts, absorb with sand, vermiculite or similar and dispose of to an approved landfill site. Contact the manufacturer/supplier for additional information if disposing of large quantities (if required).

Legislation Dispose of in accordance with relevant local legislation.

14. TRANSPORT INFORMATION

NOT CLASSIFIED AS A DANGEROUS GOOD ACCORDING TO LAND TRANSPORT RULE: DANGEROUS GOODS 2005; NZS 5433:2012, UN, IMDG OR IATA

PRODUCT NAME RAMSET HISEAL DURAMAX

| | LAND TRANSPORT (NZS 5433) | SEA TRANSPORT (IMDG / IMO) | AIR TRANSPORT (IATA / ICAO) |
|------------------------------------|---------------------------|----------------------------|-----------------------------|
| 14.1 UN Number | None allocated. | None allocated. | None allocated. |
| 14.2 Proper Shipping Name | None allocated. | None allocated. | None allocated. |
| 14.3 Transport hazard class | None allocated. | None allocated. | None allocated. |
| 14.4 Packing Group | None allocated. | None allocated. | None allocated. |

14.5 Environmental hazards

Not a Marine Pollutant.

14.6 Special precautions for user

| | |
|---------------------|-----------------|
| Hazchem code | None allocated. |
|---------------------|-----------------|

15. REGULATORY INFORMATION**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

| | |
|----------------------|------------------|
| Approval code | HSR002670 (2020) |
|----------------------|------------------|

| | |
|-----------------------|---|
| Group standard | Surface Coatings and Colourants (Subsidiary Hazard) Group Standard 2020 |
|-----------------------|---|

| | |
|---------------------------|---|
| Inventory listings | <p>AUSTRALIA: AIIC (Australian Inventory of Industrial Chemicals) All components are listed on AIIC, or are exempt.</p> <p>NEW ZEALAND: NZIoC (New Zealand Inventory of Chemicals) All components are listed on the NZIoC inventory, or are exempt.</p> |
|---------------------------|---|

16. OTHER INFORMATION**Additional information**

RESPIRATORS: In general the use of respirators should be limited and engineering controls employed to avoid exposure. If respiratory equipment must be worn ensure correct respirator selection and training is undertaken. Remember that some respirators may be extremely uncomfortable when used for long periods. The use of air powered or air supplied respirators should be considered where prolonged or repeated use is necessary.

WELDING - SANDING - CUTTING DRIED OR CURED PRODUCT: If sanding, cutting or welding dried or cured product, adverse health effects may be avoided by the use of appropriate engineering controls and/or personal protective equipment. If welding, wear a Class P2 (Metal fume) respirator and depending on the nature of the surface being welded, additional protection (e.g. for organic vapours/acid gas) may also be required. A Class P1 (Particulate) respirator is recommended if dust is generated.

SILICONE SEALANTS: Toxic vapours released upon curing, ie during use, exposure to moisture in the air may result in eye and respiratory tract irritation. A hazard exists when high concentrations are generated in poorly ventilated areas. Once curing is complete, irritating or toxic vapours should no longer be evolved and therefore an inhalation hazard is no longer anticipated. In this cured state the sealant is considered inert and relatively non toxic.

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.

PRODUCT NAME RAMSET HISEAL DURAMAX**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/m ³ | Milligrams per Cubic Metre |
| OEL | Occupational Exposure Limit |
| pH | relates to hydrogen ion concentration using a scale of 0 (highly 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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