

DESIGNER

CONCRETE COATINGS

MATERIAL SAFETY DATA SHEET (MSDS) DESIGNER BEADCRETE™ WATER ENHANCER

THIS PRODUCT IS CLASSIFIED NON-HAZARDOUS ACCORDING TO CRITERIA OF NOHSC & WORKSAFE AUSTRALIA

IDENTIFICATION

Other Names: None Allocated
Manufacturer's Product Code: 405

UN Number: None allocated
Dangerous goods class & subsidiary risk: Not a Dangerous Good.
Hazchem Code: None allocated
Poisons Schedule Number: None allocated

Use: Water additive to reduce scale in swimming pools.

Physical Description/Properties – Undiluted Liquid Form

Appearance: Blue coloured liquid
Boiling Point/Melting Point: Approximately 100°C at 100kPa ($\leq 0^\circ\text{C}$ Freeze Point)
Vapour Pressure: 2.37 kPa at 20°C (Water Vapour Pressure)
Specific Gravity: 1.10 (Approximately)
Flashpoint: Does not burn.
Flammable Limits: Does not burn.
Solubility in Water: Completely soluble in water.
pH: 7.5
Solubility in Organic Solvents: No data.

Other Properties Not explosive. Slight odour. Non flammable.

| <u>Ingredients</u> | <u>CAS Number</u> | <u>Conc:%</u> | <u>TWA (mg/m³)</u> | <u>STEL (mg/m³)</u> |
|-------------------------------|-------------------|---------------|-------------------------------|--------------------------------|
| Non hazardous soluble polymer | Secret | 20% to 40% | Not set | Not set |
| Water | 7732-18-5 | to 100% | Not set | Not set |

This is a commercial product – exact ratios of components may vary slightly. Minor quantities of other non-hazardous proprietary ingredients are possible.

HEALTH HAZARD INFORMATION

ACUTE HEALTH EFFECTS

Swallowed

This product is unlikely to cause any irritation in the short term or long term. No significant ingredient is classified as carcinogenic by NOHSC nor neither by NTP or IARC. First aid not generally required. If in doubt, contact a

Poisons Information Centre or a doctor. All of the significant ingredients in this formulation are to be found in the public Australian Inventory of Chemical Substances (AICS) database.

Eye

Short term exposure: irritating, may cause mild transient discomfort. Flush with lukewarm gently flowing water for at least 5-minutes. If irritation persists, seek medical advice.

Long term exposure: no data for health effects associated with long term exposure.

Skin

Short term exposure: mildly irritating to some individuals. Flush with lukewarm gently flowing water for at least 5-minutes. If irritation persists, seek medical advice.

Long term exposure: no data for health effects associated with long term exposure.

Inhaled

Unlikely to cause irritation or discomfort where small quantities are used.

CHRONIC HEALTH EFFECTS

No data for chronic health effects associated with long term exposure.

FIRST AID TREATMENT

Swallowed

Immediately wash mouth and lips with water. DO NOT induce vomiting. Drink plenty of water to dilute stomach contents. Seek medical attention if symptoms persist. No health hazard expected with small ingested quantities.

Skin

Wash with lukewarm gently flowing water at least 5-minutes. Seek medical attention if skin irritation persists.

Eyes

Irrigate with lukewarm gently flowing water at least 5-minutes. Seek medical attention if eye irritation persists.

Inhaled

Move to fresh air. Seek medical attention if symptoms persist.

Advice to doctor/First Aid Facilities

Treat symptomatically, Eye wash station. Fresh, clean water readily accessible at all times.

Note: No ingredient mentioned in the List of Designated Hazardous Substances is present in this product at hazardous concentrations. There is no data to hand indicating any particular target organs.

PRECAUTIONS FOR USE

EXPOSURE LIMITS

Worksafe Australia exposure Standard

Exposure limits have not been established by NOHSC for any significant ingredients in this product. No special equipment is usually needed when occasionally handling small quantities of the product from time to time.

MANUFACTURERS RECOMMENDATIONS – BULK HANDLING

ENGINEERING CONTROLS

All work with the product should be carried out in such a way as to minimise exposure to repeated skin and eye contact.. No special ventilation requirements are normally necessary however in closed areas where mist or vapours may be generated use of local mechanical ventilation or extraction devices is recommended.

For bulk handling and/or packaging of the product, follow personal protection instructions below.

Work areas should be cleaned regularly and vapours or mists minimised.

PERSONAL PROTECTION

Skin

Wear protective clothing (AS 2919) and footwear (AS/NZS 2210). Wear gloves (AS 2161). Wash skin-exposed areas thoroughly after handling. Launder clothes regularly and keep separate from other clothes.

Eyes

Wear safety spectacles with side shields or safety goggles (AS/NZS 1336 and AS/NZS 1337).

Respiratory

Wear industrial facial mask protection (AS/NZS 1715 & 1716). Use only respirators which bear the Australian Standards mark and are fitted correctly. Note that persons with facial hair will have difficulty in obtaining a satisfactory face seal. For alternatives, see AS/NZS 1715: Selection and Use of Respiratory Protective Devices.

Flammability

Non flammable constituents - will not burn or explode. If exposed to flame or extreme heat sources then dries but is exposed to further strong heat then the by-products of decomposition may be toxic if inhaled. Take appropriate protective measures. Polymerisation is unlikely to occur. Extinguishing media – use water, foam, CO₂ or dry chemical.

SAFE HANDLING INFORMATION

STORAGE AND TRANSPORT

| | |
|------------------------------|---|
| Storage Temperature: | Room temperature |
| UN Class: | None allocated |
| Packaging Group: | None allocated |
| UN Number: | None allocated |
| EPG Number: | None allocated |
| Correct Shipping Name | None allocated |
| Storage Advice: | Store in the closed original container in a dry, cool, well-ventilated area out of direct sunlight. The product is unlikely to react or decompose under normal storage conditions. Some liquid preparations may settle or separate on prolonged shelf life. Stir before use – check package label for further advice. |

Classified as a non-dangerous good under the Australian Transport of Dangerous Goods Code.

Transport by rail, road or ship in closed original containers. Keep dry in weathersafe vehicles and storage sheds.

SPILLS AND DISPOSAL

Follow safety requirements for personal protection. Breathing apparatus may be required where bulk spills occur and vapours are emitted. If spills occur, plug leaks if safe to do so – contain spill – absorb into sand or other suitable absorbent material. Sweep and shovel – collect recoverable product in containers and label for salvage or recycling. Dispose of perished contaminated product as trade waste in accordance with local authority guidelines. Keep out of sewer and storm water drains.

FIRE / EXPLOSION HAZARD

The material will not burn or explode. Constituents of product under extreme heat and drying decomposition may be toxic if inhaled. Fire fighters may require self contained breathing apparatus in bulk storage situations.

DECOMPOSITION PRODUCTS

| | |
|---|---|
| In case of small fire/explosion use: | Water, foam, CO ₂ or dry chemical. |
| In case of major emergency: | Water |
| HAZCHEM CODE: | None allocated |

Extinguishment: Water, or as for other chemicals present
Danger of violent reaction or explosion: No
Protective clothing: As for other chemicals present
Appropriate measures: Dilute
Evacuate: As for other chemicals present

OTHER INFORMATION

Smoking: Cigarette smoking increases the risk of occupational respiratory diseases. It is recommended that all storage and work areas should be smoke-free zones.

CONTACT POINT

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This Materials Safety Data Sheet has been prepared in accordance with the guidelines stipulated in the NOHSC document "national Code of Practice for the Preparation of Materials Safety Data Sheets" 2nd Edition (NOHSC:2011 (2003)).