

# DESIGNER



## CONCRETE COATINGS

### Material Safety Data Sheet

#### MODIFIER PART B

**Infosafe no.** Rhodia **Issue Date** Nov 2009 **Status** Re-Issued by Designer Concrete

**Not classified as hazardous according to criteria of Worksafe Australia**

#### COMPANY DETAILS

**Company Name** Designer Concrete Coatings  
**Address** 8 Jayelem Cres Padstow NSW 2211  
**Emergency Tel.** 24HR-  
**Tel/Fax** Tel: 02 9771 5511 Fax: 02 9771 5744  
**Other Information**

#### IDENTIFICATION

**Product Code** Duramul DP2164 acrylic emulsion  
**Product Name** Concrete Modifier Part B  
**Proper Shipping Name** None Allocated  
**Other Names** None Listed  
**UN Number** None Allocated  
**DG Class** None Allocated  
**Packing Group** None Allocated  
**Hazchem Code** None Allocated  
**Poisons Schedule** Not Scheduled

#### Physical Data

**Appearance** Milky white liquid, acrylic odour.

|                         |                             |
|-------------------------|-----------------------------|
| <b>Melting Point</b>    | 0°C/32°F Water              |
| <b>Boiling Point</b>    | 100°C/212°F Water           |
| <b>Vapour Pressure</b>  | 24 mm Hg @25°C Water        |
| <b>Specific Gravity</b> | Approx. (Water = 1) 1.0-1.2 |
| <b>Flash Point</b>      | Noncombustible              |
| <b>Flamm. Limit</b>     |                             |
| <b>LEL</b>              | Not Applicable              |

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### Other Properties

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|                           |   |
|---------------------------|---|
| <b>Volatile Component</b> | Approx. 52-54% Water  |
| <b>Autoignition Temp.</b> | Not Applicable  |
| <b>Vapour Density</b>     | (Air = 1) < 1 Water   |
| <b>pH Value</b>           | 8.5 – 9.0   |
| <b>Other Information</b>  | Viscosity: 10 - 60 CPS<br>Solubility in Water: Dilutable<br>Evaporation Rate (BAC = 1): < 1 Water<br>See FIRE/EXPLOSION HAZARDS in the SAFE HANDLING INFORMATION Section. |

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### Ingredients

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| Ingredients | Name                         | CAS           | Proportion |
|-------------|------------------------------|---------------|------------|
|             | Water                        | 7732-18-5     | 52-54 %    |
|             | Acrylic polymer              | Not Hazardous | 46-48 %    |
|             | Individual residual monomers | Not required  | 0-0.05 %   |

See EXPOSURE STANDARDS/PERSONAL PROTECTION in the PRECAUTIONS FOR USE INFORMATION Section.

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## HEALTH HAZARD INFORMATION

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### Health Effects

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|                        |  |
|------------------------|--|
| <b>Acute - Eye</b>     | Direct contact with material can cause the following: - slight irritation.                                       |
| <b>Acute - Skin</b>    | Prolonged or repeated skin contact can cause the following: - slight skin irritation.                            |
| <b>Acute - Inhaled</b> | Inhalation of vapor or mist can cause the following: - headache - nausea - irritation of nose, throat and lungs. |

**Other Information** PRIMARY ROUTES OF EXPOSURE: Inhalation  
Skin Contact  
Eye Contact

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### First Aid

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**Swallowed** If swallowed give 1 or 2 glasses of water to drink. Consult a physician. Never give anything by mouth to an unconscious person.

**Eye** Flush eyes with a large amount of water for at least 15 minutes. Consult a physician if irritation persists.

**Skin** Wash affected skin areas thoroughly with soap and water. Consult a physician if irritation persists.

**Inhaled First Aid Facilities** Move subject to fresh air.  
Facilities storing or utilizing this material should be equipped with an eyewash facility.

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### Advice to Doctor

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### Other Health Hazard Information

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### PRECAUTIONS FOR USE

| Exposure Limits | COMPONENT |       | ROHM AND HAAS |      | NOHSC |      | ACGIH |      |
|-----------------|-----------|-------|---------------|------|-------|------|-------|------|
|                 | No.       | Units | TWA           | STEL | TWA   | STEL | TWA   | STEL |
|                 | 1         |       | None          | None | None  | None | None  | None |
|                 | 2         | a     | a             | a    | a     | a    | a     | a    |
|                 | 3         |       | None          | None | None  | None | None  | None |

a Not required  
1 Acrylic polymer  
2 Individual residual monomers  
3 Water

**Eng. Controls** Use local exhaust ventilation with a minimum capture velocity of 100 ft/min. (30 m/min.) at the point of vapor evolution. Refer to Australian Standards AS1668.

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### Personal Protection

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**Protective Equip.** RESPIRATORY PROTECTION: A respiratory protection program meeting Australian Standards (or approved equivalent) must be followed whenever workplace conditions warrant a respirator's use. None required under normal operating conditions.  
Where vapours and/or mist occur, wear a properly fitted Australian Standards (or approved equivalent) half-mask respirator. Air-purifying respirators should be equipped with Australian Standards (or approved equivalent) organic vapour cartridges and N95 filters. If oil mist present, use R95 or P95 filters.  
EYE PROTECTION: Use chemical splash goggles (AS1337 or approved equivalent).  
HAND PROTECTION: The glove(s) listed below may provide protection against permeation. Gloves of other chemically resistant materials may not provide adequate protection:  
- Neoprene

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## Flammability

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**Fire Hazards** Noncombustible.

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## SAFE HANDLING INFORMATION

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## Storage and Transport

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**Storage and Transport** STORAGE CONDITIONS: Keep from freezing; material may coagulate. Stir well before use. The minimum recommended storage temperature for this material is 1°C/34°F. The maximum recommended storage temperature for this material is 49°C/120°F.  
HANDLING PROCEDURES: Avoid contact with skin, eyes and clothing. Wash thoroughly after handling. Keep container tightly closed. Do not breathe vapour, mist or gas. Monomer vapours can be evolved when material is heated during processing operations. See EXPOSURE STANDARDS/PERSONAL PROTECTION in the PRECAUTIONS FOR USE INFORMATION Section for types of ventilation required.

**Proper Shipping Name** None Allocated

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## Spills and Disposal

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**Spills & Disposal** ACCIDENTAL RELEASE MEASURES: Personal Protection: Appropriate protective equipment must be worn when handling a spill of this material. See EXPOSURE STANDARDS/PERSONAL PROTECTION in the PRECAUTIONS FOR USE INFORMATION Section for recommendations. If exposed to material during clean-up operations, see the FIRST AID PROCEDURES Section for actions to follow.  
Procedures: Keep spectators away. Floor may be slippery; use care to avoid falling. Contain spills immediately with inert materials (e.g. sand, earth) Transfer liquids and solid diking material to separate suitable containers for recovery or disposal.  
CAUTION: Keep spills and cleaning runoffs out of municipal sewers and open bodies of water.

DISPOSAL CONSIDERATIONS: Procedure: Coagulate the emulsion by the stepwise addition of ferric chloride and lime. Remove the clear supernatant and flush to a chemical sewer. Incinerate or landfill remaining solids in accordance with local, state and federal regulations.

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## Fire/Explosion Hazard

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**Fire/Explos. Hazard** UNUSUAL HAZARDS: Material can splatter above 100°C/212°F. Polymer film can burn.  
EXTINGUISHING AGENTS: Use extinguishing media appropriate for surrounding fire.  
PERSONAL PROTECTIVE EQUIPMENT: Wear self-contained breathing apparatus (pressure-demand, AS1716 approved or equivalent) and full protective gear.

**Hazardous Reaction** INSTABILITY: This material is considered stable. However, avoid temperatures above 177°C/350°F, the onset of polymer decomposition. Thermal decomposition is dependent on time and temperature.  
HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition may yield acrylic monomers.  
HAZARDOUS POLYMERIZATION: Product will not undergo polymerization.  
INCOMPATIBILITY: There are no known materials which are incompatible with this product.

**Hazchem Code** None Allocated

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## OTHER INFORMATION

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**Toxicology** ACUTE DATA  
The information shown in the HEALTH HAZARDS INFORMATION Section is based on toxicity profiles for a number of acrylic emulsions that are compositionally similar to this product. Typical data are:  
Oral LD50 - rat: > 5000 mg/kg  
Dermal LD50 - rabbit: > 5000 mg/kg  
Skin irritation - rabbit: May cause transient irritation.  
Eye irritation - rabbit: inconsequential irritation

**Other Information** PRIMAL IS A TRADEMARK OF ROHM AND HAAS COMPANY OR ONE OF ITS SUBSIDIARIES OR AFFILIATES.

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