

# RONACRETE LIMITED

## MATERIAL SAFETY DATA SHEET

RONADECK FAST GRIP PART A

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1. IDENTIFICATION OF PRODUCT AND COMPANY

Product: Ronadeck Fast Grip Part A  
Company: Ronacrete Ltd, Ronac House, Selinas Lane, Dagenham, Essex RM8 1QL  
Tel/Fax: +44 (0) 20 8593 7621 / +44 (0) 20 8595 6969

2. COMPOSITION

A Polyol dispersion with fillers. Not classified as hazardous.

3. HAZARDS IDENTIFICATION

Not regarded as a health hazard under current legislation.

4. FIRST AID MEASURES

General: No recommendation given, but first aid may still be required in case of accidental exposure, inhalation or ingestion of this chemical. If in doubt, GET MEDICAL ATTENTION PROMPTLY! CAUTION! Some medical advisors recommend against induction of vomiting! Do not give victim anything to drink if he is unconscious.

Inhalation: Not relevant.

Ingestion: NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! DO NOT induce vomiting. Get medical attention immediately.

Skin: Wash the skin immediately with soap and water.

Eyes: Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes and get medical attention.

5. FIRE FIGHTING MEASURES

Extinguishing Media: Foam. Carbon dioxide (CO<sub>2</sub>). Dry chemicals, sand, dolomite etc. Alcohol resistant foam. Water. Inert gas.

Unusual fire & Explosion hazards: No unusual fire or explosion hazards noted.

Hazardous decomposition products:  
Fire creates: Carbon dioxide (CO<sub>2</sub>). Carbon monoxide (CO).

6. ACCIDENTAL RELEASE MEASURES

Spill cleanup methods: Non-hazardous substance. Absorb in vermiculite, dry sand or earth and place into containers. Provide ventilation and confine spill. Do not allow runoff to sewer.

7. HANDLING AND STORAGE

Usage precautions: Avoid spilling, skin and eye contact.

Storage precautions: Keep in cool, dry, ventilated storage and closed containers. Keep upright. Store above freezing.

Storage criteria: Chemical storage.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Protective equipment: Gloves, goggles.

Ventilation: No particular ventilation requirements.

Respirators: Not relevant.

Protective gloves: Protective gloves should be used if there is a risk of direct contact or splash.

Eye protection: Wear approved, tight fitting safety glasses where splashing is probable.

Other protection: Wear appropriate clothing to prevent repeated or prolonged skin contact.

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Hygienic work routines: Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes contaminated. Promptly remove any clothing that becomes wet. Promptly remove non-impervious clothing that becomes wet or contaminated.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Opaque  
 Colour: Buff, Green, Black or Red  
 Odour/Taste: No characteristic odour  
 Solubility description: Forms an emulsion with water  
 Melting point (°C): 0  
 Specific gravity (Water=1): 1.8 @ 20°C  
 Viscosity: -20000 cps @ 25°C  
 Flash point (°C): -110  
 Flash point method: Sh CC (Setaflash closed cup)  
 Auto ignition temperature (°C): >400

10. STABILITY AND REACTIVITY

Stability: No particular stability concerns.  
 Conditions to avoid: Not relevant.  
 Hazardous polymerisation: N/A.  
 Materials to avoid: Water reactive material.  
 Hazardous decomposition products: Fire creates: Carbon dioxide (CO<sub>2</sub>). Carbon monoxide (CO).

11. TOXICOLOGICAL INFORMATION

Inhalation: No specific health warnings noted.  
 Skin: Liquid may irritate skin.  
 Eyes: No specific health warnings noted.  
 Health warnings: This product has low toxicity. Only large volumes may have adverse impact on human health.  
 Medical considerations: No notation of medical conditions generally aggravated by exposure.

12. DISPOSAL CONSIDERATIONS

Disposal methods: Do not allow runoff to sewer, waterway or ground. Absorb in vermiculite or dry sand, dispose in licensed special waste.

13. TRANSPORT INFORMATION

No transport warning sign required.

14. REGULATORY INFORMATION

Statutory instruments: Chemicals (Hazard Information and Packaging) Regulations.  
 Control of Substances Hazardous to Health.  
 Approved code of practice: Classification and Labelling of Substances and Preparations  
 Dangerous for Supply.  
 Guidance notes: CHIP for everyone HSG (108).

15. OTHER INFORMATION

This Material Safety Data Sheet conforms to EC Directives 91/155/EEC and 93/112/EC.  
 The information given here is to the best of our knowledge true and accurate and is provided solely for making safety assessments. It is not a sales specification or an indication of suitability for a particular use.

# RONACRETE LIMITED

## MATERIAL SAFETY DATA SHEET

RONADECK FAST GRIP PART B

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### 1. IDENTIFICATION OF PRODUCT AND COMPANY

Product: Ronadeck Fast Grip Part B  
Company: Ronacrete Ltd, Ronac House, Selinas Lane, Dagenham, Essex RM8 1QL  
Tel/Fax: +44 (0) 20 8593 7621 / +44 (0) 20 8595 6969

### 2. COMPOSITION

A Polyol dispersion. Not classified as hazardous.

### 3. HAZARDS IDENTIFICATION

Not regarded as a health hazard under current legislation.

### 4. FIRST AID MEASURES

General: No recommendation given, but first aid may still be required in case of accidental exposure, inhalation or ingestion of this chemical. If in doubt, GET MEDICAL ATTENTION PROMPTLY! CAUTION! Some medical advisors recommend against induction of vomiting! Do not give victim anything to drink if he is unconscious.

Inhalation: Not relevant.

Ingestion: NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! DO NOT induce vomiting. Get medical attention immediately.

Skin: Wash the skin immediately with soap and water.

Eyes: Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes and get medical attention.

### 5. FIRE FIGHTING MEASURES

Extinguishing Media: Foam. Carbon dioxide (CO2). Dry chemicals, sand, dolomite etc. Alcohol resistant foam. Water. Inert gas.

Unusual fire & Explosion hazards: No unusual fire or explosion hazards noted.

Hazardous decomposition products: Fire creates: Carbon dioxide (CO2). Carbon monoxide (CO).

### 6. ACCIDENTAL RELEASE MEASURES

Spill cleanup methods: Non-hazardous substance. Absorb in vermiculite, dry sand or earth and place into containers. Provide ventilation and confine spill. Do not allow runoff to sewer.

### 7. HANDLING AND STORAGE

Usage precautions: Avoid spilling, skin and eye contact.

Storage precautions: Keep in cool, dry, ventilated storage and closed containers. Keep upright. Store above freezing.

Storage criteria: Chemical storage.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Protective equipment: Gloves, goggles.

Ventilation: No particular ventilation requirements.

Respirators: Not relevant.

Protective gloves: Protective gloves should be used if there is a risk of direct contact or splash.

Eye protection: Wear approved, tight fitting safety glasses where splashing is probable.

Other protection: Wear appropriate clothing to prevent repeated or prolonged skin contact.

Hygienic work routines: Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes contaminated. Promptly remove any clothing that becomes wet. Promptly remove non-impervious clothing that becomes wet or contaminated.

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## MATERIAL SAFETY DATA SHEET

RONADECK FAST GRIP PART B

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9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Opaque Emulsion
Colour:	Milky
Odour/Taste:	No characteristic odour
Solubility description:	Forms an emulsion with water
Melting point (°C):	0
Boiling point (°C):	100
Specific gravity (Water=1):	1 @ 20°C
Viscosity:	-60 cps @ 25°C
Flash point (°C):	>100
Flash point method:	Sh CC (Setaflash closed cup)
Auto ignition temperature (°C):	>100

10. STABILITY AND REACTIVITY

Stability:	No particular stability concerns.
Conditions to avoid:	Not relevant.
Hazardous polymerisation:	N/A.
Materials to avoid:	Water reactive material.
Hazardous decomposition products:	Fire creates: Carbon dioxide (CO <sub>2</sub> ). Carbon monoxide (CO).

11. TOXICOLOGICAL INFORMATION

Inhalation:	No specific health warnings noted.
Skin:	Liquid may irritate skin.
Eyes:	No specific health warnings noted.
Health warnings:	This product has low toxicity. Only large volumes may have adverse impact on human health.
Medical considerations:	No notation of medical conditions generally aggravated by exposure.

12. DISPOSAL CONSIDERATIONS

Disposal methods:	Do not allow runoff to sewer, waterway or ground. Absorb in vermiculite or dry sand, dispose in licensed special waste.
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13. TRANSPORT INFORMATION

No transport warning sign required.

14. REGULATORY INFORMATION

Statutory instruments:	Chemicals (Hazard Information and Packaging) Regulations. Control of Substances Hazardous to Health.
Approved code of practice:	Classification and Labelling of Substances and Preparations Dangerous for Supply.
Guidance notes:	CHIP for everyone HSG (108).

15. OTHER INFORMATION

This Material Safety Data Sheet conforms to EC Directives 91/155/EEC and 93/112/EC. The information given here is to the best of our knowledge true and accurate and is provided solely for making safety assessments. It is not a sales specification or an indication of suitability for a particular use.

# RONACRETE LIMITED

## MATERIAL SAFETY DATA SHEET

RONADECK FAST GRIP PART C

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### 1. IDENTIFICATION OF PRODUCT AND COMPANY

Product: Ronadeck Fast Grip Part C  
Company: Ronacrete Ltd, Ronac House, Selinas Lane, Dagenham, Essex RM8 1QL  
Tel/Fax: +44 (0) 20 8593 7621 / +44 (0) 20 8595 6969

### 2. COMPOSITION

Ingredient Name	CAS No.	CONTENTS	HEALTH (class)	RISK (R No.)
DIPJENYLMETHANEDIISOCYANATE – Isomers & homologues	9016-87-9	60-100%	Xn	20,36/37/38,42

### 3. HAZARDS IDENTIFICATION

Harmful by inhalation. Irritating to eyes, respiratory system and skin. May cause sensitisation by inhalation.

### 4. FIRST AID MEASURES

General: NOTE! Effects may be delayed. Keep affected person under observation. Remove victim immediately from source of exposure.

Inhalation: Move the exposed person to fresh air at once. Perform artificial respiration if breathing has stopped. When breathing is difficult, properly trained personnel may assist affected person by administering 100% oxygen. Keep the affected person warm and at rest. Get prompt medical attention.

Ingestion: NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! DO NOT induce vomiting. Get medical attention immediately.

Skin: Remove affected person from source of contamination. Promptly wash contaminated skin with soap or mild detergent and water. Promptly remove clothing if soaked through and wash as above. Get medical attention if irritation persists after washing.

Eyes: Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes and get medical attention.

### 5. FIRE FIGHTING MEASURES

Extinguishing Media: Water spray, fog or mist. Foam. Carbon dioxide (CO<sub>2</sub>). Dry chemicals, sand, dolomite etc. Alcohol resistant foam.

Special fire fighting procedures: Cool containers exposed to flames with water until well after the fire is out. NOTE! Use air-supplied respirators to protect against gases/fumes. Avoid breathing fire vapours.

Hazardous decomposition products: Fire creates: Toxic gases/vapours/fumes. Carbon dioxide (CO<sub>2</sub>). Carbon monoxide (CO). Hydrogen cyanide (HCN). Nitrous gases (NO<sub>x</sub>).

### 6. ACCIDENTAL RELEASE MEASURES

Spill cleanup methods: Provide ventilation and confine spill. Do not allow runoff to sewer. Clean-up personnel should use respiratory and/or liquid contact protection. Collect with non combustible absorbent material. Flush with water. Dike for large spills. Avoid contact with skin or inhalation of spillage, dust or vapour.

### 7. HANDLING AND STORAGE

Usage precautions: Avoid spilling, skin and eye contact. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level. Read and follow manufacturer's recommendations. Avoid contact with water, alcohols, amines and other materials that may react with isocyanates. Persons with impaired lung functions should not handle this preparation. Persons susceptible for allergic reactions should not handle this product. Avoid inhalation of vapours. Use mechanical ventilation in case of handling which causes formation of vapour.

Storage precautions: Keep in cool, dry, ventilated storage and closed containers. Keep upright.

Storage criteria: Chemical storage.

# RONACRETE LIMITED

## MATERIAL SAFETY DATA SHEET

RONADECK FAST GRIP PART C

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### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Protective equipment: Gloves, goggles.  
 Ventilation: Provide adequate general and local exhaust ventilation.  
 Respirators: If ventilation is insufficient, suitable respiratory protection must be provided.  
 Wear air supplied respiratory protection.  
 Protective gloves: Use protective gloves made of: Rubber or plastic.  
 Eye protection: Wear splash-proof eye goggles to prevent any possibility of eye contact.  
 Other protection: Use engineering controls to reduce air contamination to permissible exposure level.  
 Provide eyewash, quick drench. Wear appropriate clothing to prevent any possibility of skin contact.  
 Hygienic work routines: Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes contaminated. Promptly remove any clothing that becomes wet. Promptly remove non-impervious clothing that becomes wet or contaminated. Contaminated clothing to be placed in closed container until disposal or decontamination. Warn cleaning personnel of chemical's hazardous properties. DO NOT SMOKE IN WORK AREA!

### 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Light viscous liquid  
 Colour: Dark amber  
 Odour/Taste: Characteristic. Musty (mouldy)  
 Solubility description: Immiscible with water  
 Melting point (°C): 5  
 Specific gravity (Water=1): 1.21 @ 20°C  
 Vapour Density (air=1): 8.5  
 Vapour Pressure: <0001mmHg @25°C  
 Volatility Description: Emits vapours if heated.  
 Viscosity: <60 cps @25°C  
 Flash Point (°C): >200  
 Flash Point method: Sh CC (Setafish closed cup)  
 Auto ignition temperature (°C): >400

### 10. STABILITY AND REACTIVITY

Stability: Normally stable. Avoid: Moisture.  
 Conditions to avoid: Polymerises when heated.  
 Hazardous polymerisation: N/A.  
 Materials to avoid: Strong acids. Strong alkalis. Amines. Alcohols, glycols.  
 Hazardous decomposition products: Fire creates: Toxic gases/vapours/fumes of: Carbon dioxide (CO<sub>2</sub>). Nitrous gases (NO<sub>x</sub>). Hydrogen cyanide (HCN).

### 11. TOXICOLOGICAL INFORMATION

Toxicological Data:  
 Acute toxicity: LD50 Oral Rat >10000mg/kg  
 Toxic DOSE1-LD50: >500mg (skn-rbt)  
 Toxic CONC – LD50: -500ppm/4h (inh-rat)  
 Inhalation: Harmful by inhalation. May cause sensitisation by inhalation.  
 Skin: May cause sensitisation by skin contact. Liquid may irritate skin.  
 Eyes: Irritation of eyes and mucous membranes. May cause severe irritation to eyes.  
 Health warnings: Vapour from this chemical can be hazardous when inhaled. This chemical may cause skin/eye irritation. May cause irritation to the respiratory system. May cause respiratory allergy. Prolonged or repeated exposure may cause severe irritation. Asthma, pulmonary sensitisation. Coughing and shortness of breath. Prolonged exposure may lead to reduced tolerance, resulting in asthma-like response to low concentration exposure.  
 Route of entry: Inhalation. Skin absorption. Ingestion skin and/or eye contact.  
 Target organs: Respiratory system, lungs. Eyes. Skin. Mucous membranes.  
 Medical symptoms: Upper respiratory irritation. Coughing, chest tightness, feeling of chest pressure. Delayed, often serious breathing problems. Difficulty in breathing.  
 Medical considerations: Chronic respiratory and obstructive airway diseases. Allergies.

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## MATERIAL SAFETY DATA SHEET

RONADECK FAST GRIP PART C

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12. ECOLOGICAL INFORMATION  
Acute toxicity LC50 24 hours Daphnia >500mg/l  
LC40 96 HRS FISH (mg/Kg) 1000
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13. DISPOSAL CONSIDERATIONS  
Disposal methods: Dike far ahead of spill for later disposal. Do not allow runoff to sewer, waterway or ground. Dispose of in accordance with Local Authority requirements. Absorb in vermiculite or dry sand, dispose in licensed special waste.
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14. TRANSPORT INFORMATION  
No transport warning sign required.
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15. REGULATORY INFORMATION  
Harmful label.
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|----------------------------|---|--|
| Risk phrases:              | R-20<br>R-36/37/38<br>R-42              | Harmful by inhalation.<br>Irritating to eyes, respiratory system and skin.<br>May cause sensitisation by inhalation.   |
| Safety phrases:            | S-26<br>S-38<br>S-24/25<br>P-4<br>S-23A | In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.<br>In case of insufficient ventilation, wear suitable respiratory equipment.<br>Avoid contact with skin and eyes.<br>Contains isocyanates. See information supplied by the Manufacturer.<br>Do not breathe gas/fumes/vapour/spray. |
| UK Regulatory References:  |   | The Control of Substances. Hazardous to Health Regulations 1988.<br>Chemicals (Hazard Information & Packaging) Regulations 1993.   |
| Statutory Instruments:     |   | Control of Substances Hazardous to Health.<br>Chemicals (Hazard Information and Packaging) Regulations.  |
| Approved Code of Practice: |   | Classification and Labelling of Substances and<br>Preparations Dangerous for Supply.   |
| Guidance Notes:            |   | CHIP for everyone HSG (108).<br>Isocyanates toxic hazards and precautions EH16.  |
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16. OTHER INFORMATION  
This Material Safety Data Sheet conforms to EC Directives 91/155/EEC and 93/112/EC.  
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