
1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Water & Oil Repellent RP220

Trade Name: Water & Oil Repellent RP220, Penetrating Concrete Sealer

Recommended Use: Impregnations, stain and soil repellent.

Revision Date: 08 June 2012

Company Name: On-Crete Australia Pty Ltd

Address: 4 / 489 Scottsdale Drive
Varsity Lakes, Qld, Australia 4227

Telephone: (07) 5593 6884

Fax: (07) 5593 6885

Emergency Contact: In the event of emergency human exposure contact the Poisons Information Centre
Ph: 131136

Other Information: www.on-crete.com.au

2. HAZARDS IDENTIFICATION

Hazard Classification Classified as hazardous according to criteria of NOHSC
Classified as Hazardous according to the criteria of the New Zealand HSNO Act
ERMA Number: HSR002495
Haz Classes: 3.1C, 6.4A, 9.1C
Group Standard: Additives, Process Chemicals & Raw Materials (Flammable)

Risk Phrase(s) Classified as hazardous according to criteria of NOHSC
R10 Flammable.
R65 Harmful: May cause lung damage if swallowed.
R36 Irritating to eyes.
R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R66 Repeated exposure may cause skin dryness and cracking.
R67 Vapours may cause drowsiness and dizziness

Safety Phrase(s) S2, S9, S25, S26, S43, S60, S61 - Keep out of reach of children. Keep container in a well ventilated place. Avoid contact with eyes. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. In case of fire use sand, dry chemical or alcohol resistant foam. This material and its container must be disposed of as hazardous waste. Avoid release to the environment. Refer to special instructions/safety data sheet.

Human Health Effects Inhalation of decomposition products in high concentration may cause shortness of breath (lung oedema). Inhalation of aerosol or fine spray mist may cause serious respiratory problems.

3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical</u>	<u>CAS Number</u>	<u>Proportion (w/w)</u>	<u>EU Classification</u>
Solvent Naphtha Hydrotreated Heavy	64742-48-9	> 60%	
Butyl acetate	123-86-4	10 - 30%	
Fluorinated acrylic polymer		< 10%	

4. FIRST AID MEASURES

First Aid Measures:	Remove from exposure, lie down. Never give anything by mouth to an unconscious person. If a person vomits when lying on his back, place him in the recovery position. When symptoms persist or in all cases of doubt seek medical advice.
Inhalation:	Move to fresh air. Oxygen or artificial respiration if needed. Consult a physician after significant exposure.
Ingestion:	Do not induce vomiting. Drink 1 or 2 glasses of water. Call a physician immediately.
Skin:	Wash off immediately with plenty of water. Wash contaminated clothing before reuse.
Eye:	Remove contact lenses. Rinse thoroughly with plenty of water, also under the eyelids. Consult a physician.
Other Information:	You should call The Poisons Information Centre if you feel that you may have been poisoned, burned or irritated by this product. The number is 13 1126 from anywhere in Australia (0800 764 766 in New Zealand) and is available at all times. Have this MSDS with you when you call.

5. FIRE FIGHTING MEASURES

Fire Fighting Measures	Evacuate personnel to safe areas. Cool containers / tanks with water spray.
Suitable Extinguishing Media	Carbon dioxide (CO ₂), dry powder, foam.
Special Protective Equipment for fire fighters	Wear self contained breathing apparatus and protective suit.
Specific Hazards	Hazardous decomposition products.
Hazchem Code	3Y
Unsuitable Extinguishing Media	Water.

6. ACCIDENTAL RELEASE MEASURES

Methods and Materials for Containment and Clean Up Procedures	Dam up. Soak up with inert absorbent material After cleaning, flush away traces with water.
Personal Precautions	Avoid contact with skin and eyes. Wear personal protective equipment. Evacuate personnel to safe areas. Remove all sources of ignition.
Environmental Precautions	Prevent product from entering drains. Prevent further leakage or spillage if safe to do so.
Other Information	Dispose of in accordance with local regulations.

7. HANDLING AND STORAGE

Precautions for Safe Handling	Use only in an area equipped with a safety shower. In case of insufficient ventilation, wear suitable respiratory equipment. When opening containers, avoid breathing vapours that may be emanating. Avoid contact with skin and eyes. Provide adequate ventilation. Use an airless flow type of spray applicator. Keep spraying pressure below 4.1 bar (410 kPa). Do not breathe vapours or spray mist.
Conditions for Safe Storage	Keep container tightly closed in a dry and well ventilated place. Keep away from: Oxidising agents.
Additional information on precautions for use	Advice on protection against fire and explosion: Keep away from open flames, hot surfaces and sources of ignition. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapours). No smoking. Use explosion-proof equipment. To avoid ignition of vapours by static electricity discharge, all metal parts of the equipment must be grounded.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Controls, Personal Protection	The following Australian and New Zealand Standards will provide general advice regarding safety clothing and equipment: Respiratory equipment: AS/NZS 1715, Protective Gloves: AS 2161, Industrial Clothing: AS2919, Industrial Eye Protection: AS1336 and AS/NZS 1337, Occupational Protective Footwear: AS/NZS2210.					
National Exposure Standards	Name	STEL		TWA		Footnote
		<u>mg/m3</u>	<u>ppm</u>	<u>mg/m3</u>	<u>ppm</u>	
	Butyl acetate	950	200	713	150	
Engineering Controls	Use only in area provided with appropriate exhaust ventilation. Use an airless flow type of spray applicator. Keep spraying pressure below 4.1 bar (410 kPa).					
Eye Protection	Safety glasses.					
Hand Protection	Impervious gloves.					
Body Protection	Protective suit.					
Hygiene Measures	Avoid contact with skin, eyes and clothing. Do not breathe dust. Do not breathe vapours or spray mist. Wash hands before breaks and immediately after handling the product. Wash contaminated clothing before re-use.					

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	Liquid
Appearance	Yellow.
Odour	Ester-like.
Boiling Point	120°C at 1013 hPa
Solubility in Water	Insoluble
Specific Gravity	0.968 @20°C
Vapour Pressure	10.5 hPa at 20°C
Flash Point	28°C
Explosion Limit - Upper	7.6 vol%
Explosion Limit - Lower	1.7 vol%

10. STABILITY AND REACTIVITY

Conditions to Avoid	Heat, flames and sparks.
Incompatible Materials	Oxidising agents.
Hazardous Decomposition Products	Hydrogen fluoride. Oxides of carbon.
Hazardous Reactions	Heating can release hazardous gases. Stable under recommended storage conditions.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity - Oral	LD50, rat: >2000 mg/kg Butyl Acetate - LD50, rat: 14130mg/kg
Acute Toxicity - Dermal	Butyl Acetate - LD50, rabbit: >17652 mg/kg
Acute Toxicity - Inhalation	LC50, rat, 4h: 21.7 mg/l Butyl Acetate - LD50, rat: 44 mg/l
Eye Irritation	Rabbit - eye irritation. Butyl Acetate - Rabbit: mild eye irritation non irritant.
Skin Irritation	Rabbit - slight irritation. Butyl Acetate - Rabbit: slight irritation.
Skin Sensitisation	Did not cause sensitisation on laboratory animals (guinea pig). Butyl Acetate - Human Classification: Skin sensitisation, not a skin sensitiser.
Human Effects	Excessive exposures may effect human health as follows: Inhalation: Headache, dizziness, nausea, irritation, cough, lack of coordination. Skin contact: Irritation, discomfort, rash, dermatitis. Eye contact: Eyes - Irritation, discomfort, lachrymation, blurred vision, damage. Ingestion: Discomfort, nausea.
Other Information	Repeated Dose Toxicity: Butyl Acetate - Oral rat: Kidney damage. Inhalation rat: Respiratory tract irritation, reduced body weight gain. Inhalation rabbit: Increased liver enzyme levels in serum.

12. ECOLOGICAL INFORMATION

Conditions to Avoid	Not readily biodegradable.
Bioaccumulative Potential	No data available.
Acute Toxicity - Fish	Butyl acetate - LC50, 96h (pimephales promelas - fathead minnow): 19mg/l
Acute Toxicity - Daphnia	EC50, 48h (daphnia): 56 mg/l
Acute Toxicity - Bacteria	Gworth inhibition, Species: Pseudomonas putida, Codes: >= 100 mg/l, Exposure time: 16h, Method: ISO 10712

13. DISPOSAL CONSIDERATIONS

Disposal Considerations	Dispose of waste according to applicable local, state and federal regulations.
Product Disposal	Dispose of waste according to applicable local, state and federal regulations.
Container Disposal	If recycling is not practicable, dispose of in compliance with local regulations.

14. TRANSPORT INFORMATION

Transport Information	NZS 5433:2007 Transport of Dangerous Goods on Land & Dangerous Goods Rule 2005.
U.N. Number	1123
Proper Shipping Name	BUTYL ACETATES
DG Class	3
Hazchem Code	3Y
Packing Group	III
EPG Number	3A1
IERG Number	18
Other Information	Class 3 Flammable Liquids shall not be loaded in the same vehicle or packed in the same freight container with Classes 1 (Explosives), 2.1 (Flammable Gases where flammable liquids and flammable gases are both in bulk), 2.3 (Toxic Gases), 4.2 (Spontaneously Combustible Substances), 5.1 (Oxidising Agents), 5.2 (Organic Peroxides), 6 (Toxic Substances, except Flammable Liquid is nitromethane), and 7 (Radioactive Substances). They may however be loaded in the same vehicle or packed in the same freight container with Classes 2.1 (Flammable Gases except where the Flammable Liquids and Flammable Gases are in bulk), 2.2 (Non-Flammable Non-Toxic Gases), 4.1 (Flammable Solids), 4.3 (Dangerous When Wet Substances), 6 (Toxic Substances, except where Flammable Liquid is nitromethane), 8 (Corrosive Substances), 9 (Miscellaneous Dangerous Goods), Foodstuffs or foodstuff empties.

15. REGULATION INFORMATION

Regulatory Information	All components of this material are listed on or exempt from the New Zealand Inventory of Chemicals (NZIoC).
Poisons Schedule	Not Scheduled
HSNO Approval Number	HSR002495
Hazard Category	Irritant
AICS (Australia)	All components of this material are listed on or exempt from the Australian Inventory of Chemical Substances (AICS).

16. OTHER INFORMATION

Further Information may be obtained by contacting On-Crete Aust. Pty Ltd

4/489 Scottsdale Drive
Varsity Lakes Qld
Australia
Phone 07 5593 6884 Fax 07 5593 6885

This data sheet and the health, safety and environmental information it contains is considered to be accurate as of the date specified. However, no warranty or representation, expressed or implied is made as to the accuracy or completeness of the data and the information in this data sheet.

Health and safety precautions and environmental advice noted in this data sheet may not be accurate for all individuals and /or situations. It is the users obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. The Oncrete Australia Pty Ltd shall not be responsible for any damage of injury resulting from abnormal use of this material, from any failure to adhere to recommendations or from any hazards inherent in the nature of the material.

..END OF MSDS..