

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

1.1 Product identifier	
Product name	CFR-100™
Product Description	Concrete form release agent. 100% fatty acid ester – derived from vegetable oil
Synonyms	
1.2 Uses and uses advised against	
Uses	
1.3 Details of the supplier of the product	
Supplier name	Chemforce Pty Ltd
Address	34 Law Court, Sunshine West VIC. 3020 Australia
Telephone	+61 (0)478 900238
Email	john@chemforce.com.au
1.4 Emergency telephone numbers	
Emergency	+61 (0)417 339 927

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture
Not Classified as Hazardous according to Worksafe Australia.
2.2 GHS Label elements
N/A
2.3 Other hazards
N/A

3. COMPOSITION/ INFORMATION ON INGREDIENTS

3.1 Substances / Mixtures			
Ingredient	CAS Number	EC Number	Content
Fatty ester derivative.			Mixture

4. FIRST AID MEASURES

4.1 Description of first aid measures	
General Information	Seek medical assistance if irritation occurs. Treat symptomatically. Does not present a health hazard under normal conditions of use with the normal handling procedures followed. Remove Contaminated Clothing.
Eye Contact	Rinse affected eyes thoroughly, including under eyelids, with running water for at least 15 minutes. Seek specialist advice.
Inhalation	First aid should not be needed.
Skin Contact	Rinse skin with water.
Ingestion	Seek medical attention.

4.2 Most important symptoms and effects, both acute and delayed
N/A

4.3 Immediate medical attention and special treatment needed
N/A

4.4 Notes to physician
N/A

5. FIRE FIGHTING MEASURES

5.1 Extinguishing media
Water spray, foam, carbon dioxide, dry chemical powder.

5.2 Unsuitable extinguishing media
None known.

5.3 Special hazards arising from the substance or mixture
None known.

5.4 Advice for firefighters/Protective Equipment
Firefighters should wear self contained breathing apparatus if there is a risk of exposure to vapour or products of combustion.

5.5 Hazardous combustion products

5.6 Specific extinguishing methods

5.7 Advice for firefighters/Protective Equipment

5.8 Hazchem code

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Shut off all possible sources of ignition.
Slippery when spilt. Personnel involved in clean-up should wear eye protection.

6.2 Environmental precautions

In case of spillage, prevent the material from entering drains or watercourses and sewers.

6.3 Methods of cleaning up

Remove spilt material with liquid binding materials (e.g. sand, sawdust or diatomaceous earth).

6.4 Reference to other sections**7. HANDLING AND STORAGE****7.1 Technical measures****7.2 Local/Total ventilation****7.3 Precautions for safe handling**

Store away from oxidising agents.

7.4 Hygiene measures**7.5 Conditions for safe storage, including any incompatibilities**

Store away from direct heat, and always keep the container tightly closed.

7.6 Materials to avoid**8. EXPOSURE CONTROLS / PERSONAL PROTECTION****8.1 Control parameters**

General Precautions/Exposure standards

Good industrial hygiene should be followed.

Components	Value type	Value	Basis

Ventilation
Good general ventilation should be adequate under normal conditions.

Biological limits

8.2 Exposure controls	
Engineering controls/ Occupational Exposure Limits	An exposure standard has not been determined for this product.
PPE/Personal Protection	Wear safety glasses or face shield. Wear Gloves.
Eye / Face	
Remarks	
Hands	
Skin and Body	
Respiratory	
Filter type	
INSERT ICONS	

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties	
Appearance/State	LIQUID
Color	Yellow-tan
Odour	SLIGHT
Flammability	NOT AVAILABLE
Flash point	>100°C
Boiling point	100°C
Melting point	NOT AVAILABLE
Evaporation rate	NOT AVAILABLE
Flammability (solid, gas)	NOT AVAILABLE
pH	7.5 – 9.8
Vapour density	NOT AVAILABLE
Specific gravity	NOT AVAILABLE
Specific Gravity @ 20°C	~0.90g/cm ³ @20°C
Solubility (water)	EMULSIFIABLE IN ALL PROPORTIONS
Vapour pressure	NOT AVAILABLE
Upper explosion limit	NOT AVAILABLE

Lower explosion limit	NOT AVAILABLE
Partition coefficient	NOT AVAILABLE
Autoignition temperature	NOT AVAILABLE
Decomposition temperature	>150°C
Viscosity	Max 250cps @20°C
Explosive properties	NOT AVAILABLE
Oxidising properties	NOT AVAILABLE
Odour threshold	NOT AVAILABLE
9.2 Other information	
Freezing point	0°C
Fire point	None (ASTM D92)
Density	NOT AVAILABLE

10. STABILITY AND REACTIVITY

10.1 Reactivity
10.2 Possibility of hazardous reactions
10.3 Chemical stability
10.4 Conditions to Avoid
N/A
10.5 Incompatible materials
Strong oxidizing agents. Strong acids.
10.6 Hazardous decomposition products
N/A

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects	
Exposure routes	Inhalation Skin contact Ingestion Eye contact

Acute oral toxicity	No LD50 data available for product.
Inhalation toxicity sensitisation	No known toxic effects.
Skin corrosion/irritation/sensitisation	Not classified based on available information.
Eye	Not classified based on available information.
Sensitisation	Not classified based on available information.
Mutagenicity	Not classified based on available information.
Carcinogenicity	Not classified based on available information.
Reproductive	Not classified based on available information.
STOT – single exposure	Not classified based on available information.
STOT – repeated exposure	Not classified based on available information.
Aspiration	Not classified based on available information.

12. ECOLOGICAL INFORMATION

12.1 Aquatic toxicity	No adverse effects are expected.
12.2 Ecotoxicity	No data available.
12.3 Bioaccumulative potential	No data available.
12.4 Persistence and degradability	Biodegradable. No negative ecological effects known.
12.5 Bacterial toxicity	No adverse effects are expected.
12.6 Mobility in soil	No data available.
12.7 Other adverse effects	No data available.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods	
Waste from residues	Dispose of by incineration in an approved chemical waste facility according to local regulations.
Contaminated packaging	
Legislation	

14. TRANSPORT INFORMATION

NOT CLASSIFIED AS A DANGEROUS GOOD ACCORDING TO WORKSAFE AUSTRALIA, UNRTDG, IMDG AND IATA.
 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code: Not applicable for product as supplied.

The above regulatory prescriptions are those valid on the date of publication of this sheet. Given the possible evolution of transport regulations for hazardous materials, it would be advisable to check their validity with your sales office.

	LAND TRANSPORT (ADG) LAND TRANSPORT (NZS): 5433 (New Zealand) Not regulated as a dangerous good.	SEA TRANSPORT (IMDG / IMO) Not regulated as a dangerous good.	AIR TRANSPORT (IATA / ICAO) Not regulated as a dangerous good.
14.1 UN Number			
14.2 Proper Shipping Name			
14.3 Transport hazard class			
14.4 Packing Group			

14.5 Environmental hazards

14.6 Special precautions for user

Hazchem code	
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15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Prohibition	There is no applicable prohibition or notification/licensing requirements, including for carcinogens under Commonwealth, State or Territory legislation.
Licensing Requirements	
Poison schedule	
Classifications	
Hazard codes	
Risk phrases	
Safety phrases	
Inventory listings	<p>ASTRALIA: AICS (Australian Inventory of Chemical Substances), NZIoC, IECSC All ingredients listed or exempt. YES (positive listing).</p> <p>ENCS/ISHL All components are listed on ENCS/ISHL or exempted from inventory listing.</p> <p>HSNO Group This substance falls under the HSNO Additives, Process Chemicals and Raw Materials (Subsidiary Hazard) Group Standard 2006.</p> <p>HSNO Approval Code HSR002503</p> <p>PICCS All ingredients listed or exempt.</p> <p>DSL All chemical substances in this product comply with the CEPA 1999 and NSNR and are on or exempt from listing on the Canadian Domestic Substances List (DSL).</p>

	<p>REACH All ingredients (pre-) registered or exempt.</p> <p>SUSMP Australia Schedule 5: Caution.</p> <p>TSCA All chemical substances in this product are either listed on the TSCA Inventory or are in compliance with a TSCA Inventory exemption.</p> <p>United States TSCA Inventory YES (positive listing).</p> <p>KECI All ingredients listed, exempt or notified.</p> <p>TCSI All ingredients listed or exempt.</p>
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16. OTHER INFORMATION

Additional information	<p>RESPIRATORS:</p> <p>PERSONAL PROTECTIVE EQUIPMENT GUIDELINES:</p> <p>HEALT EFFECTS FROM EXPOSURE:</p>																																																
Abbreviations	<table border="1"> <tr> <td>ACGIH</td> <td>American Conference of Governmental Industrial Hygienists</td> </tr> <tr> <td>ca</td> <td>Approximatively</td> </tr> <tr> <td>CAS #</td> <td>Chemical Abstract Service number - used to uniquely identify chemical compounds</td> </tr> <tr> <td>CNS</td> <td>Central Nervous System</td> </tr> <tr> <td>EC No.</td> <td>EC No - European Community Number</td> </tr> <tr> <td>EMS</td> <td>EMS Emergency Schedules (Emergency Procedures for Ships Carrying Dangerous</td> </tr> <tr> <td>GHS</td> <td>Globally Harmonized System</td> </tr> <tr> <td>GTEPG</td> <td>Group Text Emergency Procedure Guide</td> </tr> <tr> <td>IARC</td> <td>International Agency for Research on Cancer</td> </tr> <tr> <td>LC50</td> <td>Lethal Concentration, 50% / Median Lethal Concentration</td> </tr> <tr> <td>LD50</td> <td>Lethal Dose, 50% / Median Lethal Dose</td> </tr> <tr> <td>mg/m3</td> <td>Milligrams per Cubic Metre</td> </tr> <tr> <td>OEL</td> <td>Occupational Exposure Limit</td> </tr> <tr> <td>Ph</td> <td>Relates to hydrogen ion concentration using a scale of 0 (high acidic) to 14 (highly alkaline).</td> </tr> <tr> <td>ppm</td> <td>Parts Per Million</td> </tr> <tr> <td>STEL</td> <td>Short-Term Exposure Limit</td> </tr> <tr> <td>WES-STEL</td> <td>Workplace Exposure Standard - Short-Term Exposure Limit</td> </tr> <tr> <td>WES-TWA</td> <td>Workplace Exposure Standard - Time Weighted average</td> </tr> <tr> <td>STOT-RE</td> <td>Specific target organ toxicity (repeated exposure)</td> </tr> <tr> <td>STOT-SE</td> <td>Specific target organ toxicity (single exposure)</td> </tr> <tr> <td>SUSMP</td> <td>Standard for the Uniform Scheduling of Medicines and Poisons</td> </tr> <tr> <td>SWA</td> <td>Work Australia</td> </tr> <tr> <td>TLV</td> <td>Threshold Limit Value</td> </tr> <tr> <td>TWA</td> <td>Time Weighted Average</td> </tr> </table>	ACGIH	American Conference of Governmental Industrial Hygienists	ca	Approximatively	CAS #	Chemical Abstract Service number - used to uniquely identify chemical compounds	CNS	Central Nervous System	EC No.	EC No - European Community Number	EMS	EMS Emergency Schedules (Emergency Procedures for Ships Carrying Dangerous	GHS	Globally Harmonized System	GTEPG	Group Text Emergency Procedure Guide	IARC	International Agency for Research on Cancer	LC50	Lethal Concentration, 50% / Median Lethal Concentration	LD50	Lethal Dose, 50% / Median Lethal Dose	mg/m3	Milligrams per Cubic Metre	OEL	Occupational Exposure Limit	Ph	Relates to hydrogen ion concentration using a scale of 0 (high acidic) to 14 (highly alkaline).	ppm	Parts Per Million	STEL	Short-Term Exposure Limit	WES-STEL	Workplace Exposure Standard - Short-Term Exposure Limit	WES-TWA	Workplace Exposure Standard - Time Weighted average	STOT-RE	Specific target organ toxicity (repeated exposure)	STOT-SE	Specific target organ toxicity (single exposure)	SUSMP	Standard for the Uniform Scheduling of Medicines and Poisons	SWA	Work Australia	TLV	Threshold Limit Value	TWA	Time Weighted Average
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Other information	<p>Internal technical data, data from raw material SDSs, OECD eChem Portal search results and European Chemicals Agency, http://echa.europa.eu/</p> <p>The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. Such information is only given as a guidance to help the user handle, use, process, store, transport, dispose and release the product in satisfactory safety conditions and is not to be considered as a warranty or quality specification. It should be used in conjunction with technical sheets but do not replace them. Thus, the information only relates to the designated specific product and may not be applicable if such product is used in combination with other materials or in another manufacturing process, unless otherwise specifically indicated. It does not release the user from ensuring he is in conformity with all regulations linked to its activity.</p>																																																

	AU / EN
Prepared by	Company Name: Chemforce Pty Ltd
	Address, City: 34 Law Court
	State, Country, Zip Code: Sunshine West VIC. 3020 Australia
	Phone: +61 (0)417 339 927
	Email: john@chemforce.com.au
	Web: www.chemforce.com.au

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