

SDS for Siquira CRX

GHS SAFETY DATA SHEET

1. Identification


Product Name:	SIQURA CRX
Synonyms:	Product Codes : Siquira CRX
Product Use:	Concentrate Mould Inhibition
Manufacturer/Supplier	Fresche Bioscience Pty. Ltd.
Address	Unit 84, 1470 Ferntree Gully Road, Knoxfield Victoria 3180, Australia
General Information	+61.3.9763.4500
Emergency Contact Information.	+1.703.527.3887

2. Hazards Identification

GHS Classification:

Health	Environmental	Physical
Skin Irritation – Category 2 Eye Damage – Category 2 STOT SE - Category 3	Aquatic Toxicity – Acute 1	

GHS Label:

	
Hazard Statements	Precautionary Statements
<p>DANGER <i>Toxic by eye contact. Causes serious eye damage and skin irritation. Very Toxic to aquatic life.</i></p> <p>(H313) May be harmful in contact with skin (H315) Causes skin irritation (H318) Causes serious eye damage (H335) May cause respiratory irritation (AUH070) Toxic by eye contact. (H400) Very toxic to aquatic life</p> <p>Classification according to UN GHS (Rev. 4, 2011).</p>	<p><i>Wear eye protection and gloves. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. Immediately call a POISON CENTER or doctor. IF ON SKIN: Wash with plenty of soap and water. Avoid release to the environment. Collect Spillage. Avoid Inhalation, may be harmful if swallowed or in contact with skin.</i></p> <p>(P261) Avoid breathing dust/fume/gas/mist/vapours/spray. (P304+P340) IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing (P403+P233) Store in a well ventilated place. Keep container tightly closed.</p> <p>(P280) Wear eye and face protection. (P302+P352) IF ON SKIN: Wash with plenty of soap and water. (P362) Take off contaminated clothing and wash before reuse.</p> <p>(P280) Wear eye and face protection. (P305+351+338) IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue Rinsing. (P310) Immediately call a POISON Centre or doctor/physician.</p> <p>(P273) Avoid release to the environment (P501) Dispose of contents and containers in accordance with local, regional, national and international regulations.</p>

3. Composition / Information on Ingredients

INGREDIENT	CAS NUMBER	PROPORTION
Octadecylaminodimethyltrimethoxysilylpropylammoniumchloride	27668-52-6	34-36%
o-Phenylphenol	90-43-7	15%

4. First Aid Measures

Ingestion:	INDUCE VOMITING BY GIVING 2 GLASSES OF WATER AND PLACE FINGER DOWN THROAT. NEVER GIVE ANYTHING TO AN UNCONSCIOUS PERSON. GET MEDICAL ATTENTION
Eye:	IRRIGATE WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES, OCCASIONALLY LIFTING EYELIDS. GET MEDICAL ATTENTION.
Skin:	IF SKIN BECOMES IRRITATED, FLUSH EXPOSED AREAS WITH COPIOUS AMOUNTS OF SOAP AND WATER.
Inhaled:	NOT EXPECTED TO BE A RISK AT USE CONCENTRATION LEVELS. IF INHALED, REMOVE TO FRESH AIR. IF NOT BREATHING, COMMENCE ARTIFICIAL RESPIRATION. IF BREATHING DIFFICULT, GIVE OXYGEN. GET MEDICAL ATTENTION.
Long Term Effects:	UNKNOWN
Advice to Doctor:	TREAT SYMPTOMATICALLY
First Aid Facilities:	FLUSH WITH WATER IF IRRITATED

5. Fire Fighting Measures

General Comment:	PRODUCT HAS LOW FLAMMABILITY AND WILL NOT PROPOGATE FLAME
Extinguishing Media:	WATER, CARBON DIOXIDE, DRY CHEMICAL OR FOAM
Personal Protective Equipment:	USE SELF-CONTAINED BREATHING APPARATUS. WEAR FULL PROTECTIVE CLOTHING.
Unusual Fire Fighting Procedures :	NONE KNOWN
Hazards from Combustion Products:	CARBON DIOXIDE, CARBON MONOXIDE, SILICON DIOXIDE. DOES NOT UNDERGO EXPLOSIVE DECOMPOSITION AND IS SHOCK STABLE. IT IS NOT AN OXYGEN DONOR.
Hazchem Code:	1Z

6. Accidental Release Measures

Spills and Disposal	ACTION TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: VENTILATE AREA, PERSON PERFORMING CLEAN-UP SHOULD WEAR ADEQUATE PROTECTION EQUIPMENT. CONTAIN MATERIAL BY DIKING THE AREA AROUND THE SPILL. IF THE PRODUCT IS IN A SOLID FORM, SHOVEL DIRECTLY INTO RECOVERY DRUMS. IF THE PRODUCT IS A LIQUID, IT SHOULD BE PICKED UP USING A SUITABLY ABSORBANT MATERIAL, THEN SHOVELED TO RECOVERY DRUMS. IF THE MATERIAL IS RELEASED INTO THE ENVIRONMENT, THE USER SHOULD DETERMINE WHETHER THE SPILL SHOULD BE REPORTED TO THE APROPRIATE LOCAL, STATE AND FEDERAL AUTHORITIES. REFER TO DISPOSAL SECTION 13.
Personal Protective Equipment:	EYE PROTECTION (GOGGLES), GLOVES

7. Handling and Storage

Handling:	AVOID CONTACT WITH EYES
Storage:	STORE UPRIGHT IN A COOL PLACE (5°C-30°C) FOR OPTIMUM PRODUCT LIFE. KEEP CONTAINER CLOSED WITH NOT IN USE. DO NOT FREEZE.
Safety Placarding (Australia)	STORAGE OF LESS THAN 5000KGS (L) DOES NOT REQUIRE PLACKARDING OF THE WORKPLACE. STORAGE OF MORE THAN 20000KGS REQUIRE PLACARDING OF FIRE FIGHTING MEASURES. OUTER PRODUCT SHOULD BE PLACARDED TO IDENTIFY NATURE OF GOODS TO WORKPLACE PERSONEL.



SIQURA CRX CAN REACT WITH WATER AND IS BEST DISPENSED FROM A CLOSED VESSEL SYSTEM. IT IS STRONGLY ADVISED THAT A DRIERITE DESICCANT CANISTER BE ADDED TO THE BREATHING VALVE OF AN IBC OR 1H1 BARREL TO MINIMIZE MOISTURE INTAKE ONCE THE CONTAINER IS IN USE. (DRIERITE DESICCANT CARTRIDGE STOCK NO. 40451 OR EQUIVALENT)

THE SILANE ACTIVE IN SIQURA CRX IS ACTIVATED ON CONTACT WITH WATER. SIQURA CRX IS HYGROSCOPIC AND WILL DETERIORATE QUICKLY WHEN IN CONTACT WITH MOISTURE. MOISTURE FROM HUMIDITY IS SUFFICIENT TO ACTIVATE THE SILANE AND IT IS STRONGLY RECOMMENDED THAT ALL PRECAUTIONS BE TAKEN TO PREVENT THE PRODUCT FROM PREMATURELY COMING INTO CONTACT WITH WATER, WATER VAPOUR AND HIGH HUMIDITY.





8. Exposure Controls and Personal Protection

National Exposure Standards:	NOT ASSIGNED FOR THE MIXTURE
Engineering Controls:	USE SUFFICIENT MECHANICAL (GENERAL) OR LOCAL EXHAUST
Respiratory Protection:	IF NEEDED, USE A NIOSH APPROVED RESPIRATOR
Protective Equipment:	GLOVES, APRON, GOGGLES



9. Physical and Chemical Properties

Appearance	CLEAR STRAW COLOURED LIQUID
Odour	SIMILAR TO DETERGENT. NO FRAGRANCE ADDED.
Colour	CLEAR BROWN
pH	5.0-8.0 (TYPICAL)
Vapour Pressure	NA
Vapour Density	>1
Boiling Point °C	100
Freezing Point °C	0
Melting Point	0
Solubility	SOLUBLE IN WATER
Specific Gravity	0.980-1.020
Flash Point	(CLOSED CUP) : 43°C. This product does not sustain combustibility
Flammable Limits in Air (%)	LOWER N/A, UPPER N/A
Ignition Temperature	N/A

10. Stability and Reactivity

Chemical Stability	STABLE, PRESENTS NO SIGNIFICANT REACTIVITY HAZARD, NOT PYROPHORIC NOR REACTIVE WITH WATER.
Conditions to Avoid:	HEAT, FREEZING, STRONG OXIDIZING AGENTS
Incompatible Materials:	OXIDIZING MATEIALS CAN CAUSE A REACTION,
Hazardous Polymerization:	WILL NOT OCCUR
Hazardous Decomposition:	CARBON MONOXIDE, CARBON DIOXIDE, SILICON DIOXIDE

11. Toxicological Information

Ingestion (acute):	ACUTE ORAL (ALBINO RAT) LD ₅₀ 12,270 MG/KG.
Eyes (acute):	CONTACT AT FULL STRENGTH MAY CAUSE BURNS AND PERMANENT EYE DAMAGE.
Skin (acute):	ACUTE DERMAL TOXICITY (ALBINO RABBIT) LD ₅₀ 7950 MG/KG
Inhalation (acute):	NO UNTOWARD EFFECTS. BOILING VAPOR IS MILDLY IRRITATING TO THE THROAT AND LUNGS. BREATHNG HIGH CONCENTRATIONS OF BOILING VAPOR WILL CAUSE NO ANESTHETIC EFFECTS.
Chronic Effects:	NO DATA AVAILABLE FOR CHRONIC OVEREXPOSURE. FINISHED PRODUCT IS NOT EXPECTED TO HAVE CHRONIC HEALTH EFFECTS.
Target Organs:	NO ADVERSE HEALTH EFACTS ON TARGET ORGANS EXPECTED FOR FINISHED PRODUCTS
Carcinogenicity:	FINISHED PRODUCT IS NOT EXPECTED TO BE CARCINOGENIC.
Additional Information:	NTP : NO IARC: NO OSHA: NO RTECS: DV5775000


12. Ecological Information

Environmental Protection	VERY TOXIC TO AQUATIC LIFE IF RELEASED TO THE ENVIRONMENT IN AN UNDILUTE FORM. HYDROLYSIS DATA SHOWED THAT THE PRODUCT IS SOLUBLE BUT NOT STABLE IN WATER. RAPID DEGREDDATION OF THE PRODUCT IN WATER FORMUS INSOLUBLE SILANE DEGRADATE WHICH IS NOT EXPECTED TO CONTAMINATE SURFACE OR GROUND WATER.
Acute toxicity LC ₅₀ (Rainbow Trout)	96 hour LC50 = 1.73 mg/L (Moderately toxic)
Single Dose Oral LD ₅₀ (Mallard Duck)	>1590mg/kg (Practically non-toxic)
Dietary LC50 (Mallard Duck)	>5620mg/L (Practically non-toxic)
Eight day Dietary LC ₅₀ (Bobwhite Quail)	>5620mg/L (Practically non-toxic)
Acute Toxicity LC ₅₀ (Freshwater Daphnids)	0.18mg/L (Highly toxic)
BOD ₅ (mg O ₂ /g)	<24,000 mg/l
COD (mg O ₂ /g)	1,690,000 mg/l
<i>n</i> -Octanol-water partition coefficient	Log K _{ow} < 3. Bioaccumulation unlikely

13. Disposal Considerations

Disposal Methods	DISPOSAL OF THIS PRODUCT SHOULD BE MADE IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL ENVIRONMENTAL PROTECTION LEGISLATION.
<u>US FEDERAL</u> Title III-SARA	THE FOLLOWING DATA IS BEING SUPPLIED IN COMPLIANCE WITH TITTLE III SUPERFUND AMENDMENTS AND REAUTHROIZATION ACT (SARA) PART 313 AND 40 CFR 372.
California Proposition 65:	CONTAINS NO MATERIALS KNOWN TO BE ON THE CALIFORNIA PROPOSITION 65 LIST.

14. Transport Information.

UN Number :	UN3082 (IMDG/ICAO/ADR/RID/ADN)
UN Proper Shipping Name:	Environmentally Hazardous Substance, Liquid N.O.S.
Class	9
Subsidiary Risk:	NONE
Packing Group	3
	
Special Precautions For Users:	KEEP CONTAINERS TIGHTLY CLOSED.
ADG	NOT CLASSIFIED AS HAZARDOUS when shipped in IBC's or containers less than 500kg according to AU01. MANIFESTS OVER 10,000KGS (L) MUST BE PLACKARDED. PRODUCT IN IBC'S DO NOT REQUIRE PLACKARD ACCORDING TO AU01
IATA	Consignments 30kg or less shipped in max container size 5kg: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. not restricted as per Special Provision A197.
EMS:	F-A, S-F
EU Code Restriction in Tunnel:	(E)
Hazard No. (ADR)	90
Hazchem Code:	3Z

15. Regulatory Information

Australia	REGULATED UNDER THE <i>INDUSTRIAL CHEMICALS (NOTIFICATION AND ASSESSMENT) ACT 1989</i> AND LISTED ON THE <i>AUSTRALIAN INVENTORY OF CHEMICAL SUBSTANCES</i> . REGULATED UNDER THE <i>AGRICULTURAL AND VETERINARY CHEMICALS ACT 1998</i> WHEN APPLIED DIRECTLY TO ANIMALS OR APPLIED TO ANIMAL FODDER.
US Federal	THE PRODUCT DESCRIBED IN THIS MSDS MAY BE REGULATED UNDER THE US EPA. (US. EPA REGISTRATION 48937-1)
US State	CA PROP 65: THIS PRODUCT IS NOT SUBJECT TO WARNING LABELING UNDER CALIFORNIA PROPOSITION 65.
Europe	EU LEGISLATION: REGULATION (EC) NO 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL OF 16 DECEMBER 2008 ON CLASSIFICATION, LABELING AND PACKAGING OF SUBSTANCES AND MIXTURES, AMENDING AND REPEALING DIRECTIVES 67/548/EEC AND 1999 / 45/CE AND AMENDING REGULATION (EC) NO 1907/2006, AS AMENDED. EU NATIONAL: DIRECTIVE 91/155/EEC AS AMENDED BY COMMISSION DIRECTIVE 2001/58/EC (SAFETY DATA SHEETS) IN ACCORDANCE WITH DIRECTIVE 1999/45/EC AND COUNCIL DIRECTIVE 67/548/EEC . REGULATION ON THE TRANSPORT OF

DANGEROUS GOODS AND USE OF TRANSPORTABLE
PRESSURE EQUIPMENT 2009 ("CDG 2009"), SI 2009 NO. 1348

Other

PERFUMES CONTAINED WITHIN THE PRODUCTS COVERED
BY THIS MSDS COMPLY WITH THE APPROPRIATE IFRA
GUIDANCE.

16. Other Information

Date of This Issue 18th NOVEMBER 2021
Contact Person: FRESCHÉ BIOSCIENCE PTY LTD
CHRIS POPE (03) 9763 4500
POISONS INFORMATION CENTRE (AUSTRALIA) 131126
Key Literature: COMMERCIAL DATA
US EPA *REGISTRATION ELIGIBILITY DECISION FOR
TRIMETHOXYSILYL QUATERNARY AMMONIUM CHLORIDE
COMPOUNDS*. 2007
HEALTH CANADA *PROPOSED RE-EVALUATION DECISION
PRVD2010-09*
VALUES FOR HUMAN AND ENVIRONMENTAL TOXICITY
DERIVED ACCORDING TO UN GHS (ver.4, 2011) PURPLE
BOOK.

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