Hazardous Substance Store: (full physical address)

1

Whitianga Work Shop

Approved Handler: N
(in control of substance)

Name: Steve Bolton

Trade name of pesticide/herbicide: 1080 Sodium fluoroacetate 0/15%

5

Physical address: 2/20 Joan Gaskell Drive Whitianga

Position: Senior Ranger

HSNO Licence: CSL000407

Expiry Date: 18/08/2020

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RELEASED UNIVERSITATE ASTRONO PARTICIPATE A SELECTION OF A STATE OF A SELECTION O

1080 PELLETS



1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name:	(a) 0.04% 1080 PELLETS
	(b) 0.08% 1080 RODENT PELLETS
	(c) 0.08% 1080 PELLETS
	(d) 0.10% 1080 FERAL CAT BAIT
	(e) 0.15% 1080 PELLETS
	(f) 0.2% 1080 PELLETS
Synonyms:	1080 pellets
Supplier:	Animal Control Products Ltd-trading as Orillion
Street address:	Physical address: 408 Heads Road Whanganui 4501 New
	Zealand.
Postal address:	Postal address: Private Bag 3018, Whanganti 4941, New
	Zealand.
Telephone:	+ 64 (0) 6 344 5302
Website	www.pestaff.co.nz
After hours telephone	0274 798 318 or 0274 798 319
numbers:	
ACCIDENTAL HUMAN	Dial 111 and be ready to provide information from the product
POISONING	label to medical personnel.
National Poisons Centre:	Free phone 0800 764 766
Emergency phone number for	
spills, transport emergencies	
and risk mitigation:	()
V) \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	

2 COMPOSITION INFORMATION ON INGREDIENTS

Duo di GYNI	
Preduct Name:	(a) 0.04% 1080 PELLETS
	(b) 0.08% 1080 RODENT PELLETS
	(c) 0.08% 1080 PELLETS
	(d) 0.10% 1080 FERAL CAT BAIT
	(e) 0.15% 1080 PELLETS
	(f) 0.2% 1080 PELLETS
Synonyms:	1080 pellets
Active Ingredient:	Sodium fluoroacetate 0.04% - 0.2%
Other Ingredients:	(a, b, c, e, f) Cereals, sugars and binders
	(d) Fishmeal, fish oil and binders
Molecular Weight of Active:	100.02
Molecular Formula of Active:	F C H ₂ CO ₂ Na
Recommended Use:	Pelletised bait for the control of rabbits, possums, rodents,
	wallables or feral cats.
Appearance:	Cylindrical green pellets.

3. HAZARDS IDENTIFICATION

STATEMENT OF HAZARDOUS NATURE: This product contains a DEADLY POISON.

HSNO Approval Codes: HSR002422 (0.04%-0.08%), HSR002423 (0.1%), HSR002424 (0.15%-0.2%)

HAZARD CLASSES:	0.04% & 0.08% 1080 pellets: 6.1C, 9.3B
	0.1% 1080 pellets: 6.1C, 6.8A, 9.1D, 9.3B
	0.15% - 0.2% 1080 pellets: 6.1B, 6.8A, 9.1D, 9.3A
HAZARD IDENTIFIERS:	Priority Identifiers - Danger. Deadly Poison. Keep out of
	reach of children. Ecotoxic.
1	Secondary Identifiers - Acutely toxic. May be fatal if
	swallowed, inhaled or absorbed through the skin. Repeated
	oral exposure may cause reproductive or developmental
	damage. When handling open containers or baits, wear
	protective equipment as indicated below. Toxic to terrestrial
	vertebrates. Take measures to reduce the risk of non-target
	animals being exposed to the toxin either through eating baits
	or by scavenging the carcasses of poisoned animals. Harmful
i i	to aquatic organisms. Manage bait application rates carefully
	and comply with any restrictions imposed on placing baits over
	or near waterways. Avoid pollution of any water supply with
	pellets or used container. Do not burn the product as highly
	toxic hydrogen fluoride gas may be released.
DANGEROUS GOODS CLASS:	0.04% - 0.1% 6.1C (Packaging Group HI)
	0.15% - 0.2% 6.1B (Packaging Group II)
GENERAL REQUIREMENTS:	Deadly Poison. Subject to tracking requirements for individual
	packs. Available for purchase and use only by holders of
	Controlled Substances Licenses. This substance must be
	under the control of an Approved Handler for Class 6 and
	Class 9 Hazardous substances at all times unless being
	transported by a transport operator with a Dangerous Goods
	License endorsement.

SYMPTOMS OF POISONING

Early Symptoms: Nausea, vomiting, tingling and numbness in face and hands, stomach pains, apprehension and anxiety.

Later Symptoms: Muscular twitching, blurred vision, mental confusion.

Severe Symptoms: Coma, convulsions.

4. FIRST AID MEASURES

ingestion:

Seek immediate medical assistance in all cases where poisoning is suspected. National Poisons Centre recommends <u>against</u> inducing vomiting in most cases but in particular, <u>never</u> use any chemical means of inducing vomiting. In areas remote from medical assistance, there may be benefit in inducing vomiting by placing a finger down the throat. Giving the patient ½ glass of whiskey with a tablespoon of sugar added may be of possible benefit if carried out immediately after poisoning has occurred.

Eye Contact:

Wash eyes with copious amounts of water.

Skin Contact:

Wash exposed area twice with soap and water.

Contaminated Clothing:

Remove contaminated clothing and wash before re-use. Wear rubber gloves, overalls and secure footwear when handling 1080 pellets. Check boots and the pockets of protective clothing for dust, fragments and pellets. Do not eat, drink or smoke. Clothing and gloves must be decontaminated by washing in hot soapy water. Ensure pellets are not trampled off site.

Do NOT induce vomiting or give anything by mouth if patient is unconscious or convulsing.

PROMPT MEDICAL TREATMENT IS ESSENTIAL. CALL FOR IMMEDIATE ASSISTANCE.

5. FIRE FIGHTING MEASURES

The pellets have a low flammability risk unless pre-heated, however the thermal decomposition (burning) of products containing sodium fluoroacetate (1080) releases hydrogen fluoride gas which is very toxic. Emergency response and firefighting measures for major fires should be taken only by trained professionals using SCBA. Evacuation of adjacent and downwind premises will be necessary in the case of large fires involving 1080 products. Hazchem is 2XE.

6. ACCIDENTAL RELEASE MEASURES

In the event of major spills, inform the Fire Service immediately via the 111 emergency phone service, and then local health protection officers at your District Health Board or hospital.

Isolate the spill area and exclude all bystanders. Take all practicable steps to manage any harmful effects of a spillage including preventing baits from entering streams or waterways. Scoop spilled baits into secure containers. Recover any undamaged bait for later use by placing in appropriately labeled containers and dispose of spoiled bait as directed below. Use a proof to collect fine material and wash down the spill area with copious water only after all spilled bait has been removed. Give consideration to possible hazards arising from washing down and ensure people, pets, livestock, wildlife and fish will not be exposed to the diffute toxic run-off.

7. HANDLING AND STORAGE

When handling open containers or baits, wear overalls worn outside rubber boots, and impervious rubber or PVC gloves. When loading aircraft or working in windy conditions, wear goggles and a dust mask as protection against dust entering the eyes or mouth. Do not eat, drink or smoke when using the product or handling open containers. Wash protective clothing and equipment daily after work. Remove protective clothing and wash hands and exposed skin thoroughly before meals and after any contact.

Store in original container, tightly closed, under lock and key and away from feed or foodstuffs. Keep out of reach of children. As far as practicable, eliminate flammable materials and ignition sources from storage areas. Do not store in direct or diffused sunlight. The storage facility must be secure, dry and will preferably be insulated to buffer the effect of ambient temperature changes likely to cause condensation forming inside packaging.

This product must always be under the control of an approved handler who holds a current test certificate endorsed for Class 6 and Class 9 substances.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure Limits: Ministry of Health exposure limit set February 2002 is 0.015 micrograms of 1080 per ml in urine.

Tolerable Exposure Limits (TEL): The NZ Environmental Protection Agency has prescribed the TEL_{water} for sodium fluoroacetate, expressed as the amount of sodium fluoroacetate per volume of water as 0.0035 milligrams per litre of water (0.00000035%).

Engineering Measures: Decontaminants are water (dilution), heat > 120°C (denaturing) and microbial decomposition (degradation).

Personal Protection Equipment: Operators using or handling the product in open containers must wear gloves, overalls and waterproof boots. Do not smoke, drink or eat while handling the product. Wash hands, face and any exposed areas after use. Wash protective equipment immediately after use or otherwise isolate and containerise for return to a washing facility. When working around aircraft, wear a suitable dust mask to prevent inhalation of airborne particles.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form / Colour / Odour: 1080 pellets in have a cylindrical form, are dyed green and may have an odour of cinnamon, fruit flavouring or fish.

Solubility in Water (g/L)	Pellets will eventually lose their form and disintegrate if immersed in water for several hours or more.
Decomposition Point (°C)	The active ingredient 1080 becomes unstable at 110 degrees Celsius and decomposes at 200 degrees Celsius.

10. STABILITY AND REACTIVITY

1080 pellets are stable and non-reactive under normal storage and use conditions.

11. TOXICOLOGICAL INFORMATION

Exposure must be kept to an absolute minimum. Sodium fluoroacetate may be absorbed through the eyes, broken skin or via the mouth. It is estimated that a lethal dose of bait for an adult human could be as little as 30 grams where the bait contains 0.15% 1080. A small dog may receive a lethal dose of 1080 from as little as 0.5 grams of bait containing 0.15% 1080.

TOXICITY DATA FOR THE ACTIVE INGREDIENT - VARIOUS SPECIES

White laboratory rat (oral) LD₅₀
Brush-tailed possum (oral) LD₅₀
Dog (oral) LD₅₀
Cat (oral) LD₅₀
Bennett's wallaby (oral) LD₅₀
Mule deer (oral) LD₅₀
Mouse (oral) LD₅₀
Human (oral) LD₅₀ (estimated)

0.2 mg/kg B/W (Body Weight)

0.3 - 1.0 mg/kg B/W 0.1 - 0.35 mg/kg B/W 0.35 mg/kg B/W

0.2 mg/kg B/W 1,0 mg/kg B/W

5.0 - 19.3 mg/kg B/W

0.7 – 2.1 mg/kg/8/W (30g-100g of bait for 70kg human)

12. ECOLOGICAL INFORMATION

Use the pellets only for the purpose indicated and in the manner prescribed by the label. Sodium fluoroacetate may be present for many months in the carcasses of poisoned animals; thus presenting a secondary poisoning danger to carnivorous birds and mammals. Take steps to mitigate any potential non-target exposure by wildlife or domestic animals. Studies have shown that 1080 concentrations will decline within rotting carcasses through the microbial degradation of

1080 wastes are ecotoxic. Improper disposal of excess pesticide is unlawful. If wastes cannot be disposed of by use according to label instructions, contact local Regional Council or a hazardous waste advisor for guidance.

13. DISPOSAL CONSIDERATIONS

The active ingredient sodium fluoroacetate is degraded through microbial activity and will decompose at temperatures above 200 degrees Celsius. It dilutes readily in water. Bait which is surplus or spoiled should be disposed of by burying with other organic material on the active tip face of an appropriately managed landfill or buried within the biologically active layer of soil elsewhere within a secure area. Ensure that a good covering of earth is applied over the bait immediately to prevent access by scavenging birds. Avoid deep disposal or burying where groundwater contamination may occur. Treating the baits through a sewage oxidation facility or other chemical treatment facility is also an acceptable means of disposing of unwanted bait material where this is allowed by local by-laws and regulations.

Bury empty bags in a suitable location at a landfill at a depth of at least 60 cm. Do not use the empty container for any other purpose.

Surplus bait and empty bags must not be burned.

^{*} Data from US Department of the Interior, Biological Report No. 27 (1995); Ronald Eisler "Sodium monofluoroacetate (1089) Nazards to Fish, Wildlife, and Invertebrates: A Synoptic Review"

14. TRANSPORT INFORMATION

Proper Shipping Name:	Pesticide, solid, toxic, n.o.s. [contains Sodium fluoroacetate]
U.N. NO.	2588
Class:	6.1
Packaging Group / Hazchem code	III (0.04% - 0.1%) and II (0.15% - 0.2%) / 2XE

Maximum transport quantity as tools of trade:	
	0.15% - 0.2% = 50 kilograms
	(Placarding and DG documents not required but this
	Safety Data Sheet must be carried.)

15. REGULATORY INFORMATION

Deadly poison: Available only to holders of Controlled Substances Licenses or persons licensed to transport dangerous goods. Label directions are mandatory. Registered Resticides:

- (a) 0.04% 1080 PELLETS -V003785. HSNO Approval HSR002422
- (b) 0.08% 1080 RODENT PELLETS V009015. HSNO Approval HSR0024
- (c) 0.08% 1080 PELLETS V002829. HSNO Approval HSR002422 (d) 0.10% 1080 FERAL CAT BAIT V004107. HSNO Approval HSR002423 (e) 0.15% 1080 PELLETS V002848. HSNO Approval HSR002424
- (f) 0.2% 1080 PELLETS V002538. HSNO Approval HSR002424

Packaging approvals: The packaging for these products has been tested and complies with the UN convention for transportation of dangerous goods and with HSNO controls and variations stipulated under the 1080 re-assessment decision anxing from application HRE05002 and released on 10 August 2007.

16. OTHER INFORMATION

PRECAUTIONS & OTHER COMMENTS:

It is strongly recommended that approved handlers carry an operable telephone, radio telephone or other means of obtaining urgent medical assistance as a precaution when using 1080 poison. Test communication systems and coverage before commencing operations.

May be fatal if swallowed. Wear waterproof gloves and overalls when using 1080. Wash hands after handling pellets, equipment or animals that have been contaminated with 1080. Do not use poisoned or contaminated animals for food or feed.

This product is toxic to wildlife. Birds and mammals feeding on carcasses of contaminated animals may be fatally poisoned. Take measures to minimise the chance of baits accidentally entering any body of water. Apply the product only as specified by label directions and according to the conditions of any consents required.

Where practicable, the exposed bodies of all poisoned animals should be collected and buried at a landfill approved for hazardous wastes. Dehydrated carcasses may remain dangerous to dogs or cats for an indefinite period. A single mouse poisoned by 1080 may contain enough poison to kill an adult dog.

CONSULT NEAREST POISON CONTROL CENTER FOR CURRENT INFORMATION.

All information contained in this Data Sheet is as accurate and up-to-date as possible. Since Orillion cannot anticipate or control the conditions under which this information may be used, each user should review the information in the specific context of the intended application.

Revised by: WJ Simmons

Date of Revision: 21 August 2017

1080 Pellets

Revised August 2017

RIELEAN INVIEW AND PARTITION ACTION OF FILE CHAIL INVIEW PRIMARTING TO THE COMPANY OF THE PRIMARTING THE PRIMAR

Emergency Response Plan - Safe Handling Standards & PPE Papakai Pest Control Operation 2017

Standards:

The Operations Manager, Whitianga is accountable and the appointed Incident Controller Papakai is responsible for ensuring that the following standards are met:

- ☐ An Emergency Response Plan is required when transporting any quantities of vertebrate pre-feeds, unless by ship (Maritime Transport Act) or aircraft (Civil Aviation Act).
- ☐ For quantities at or over the limits given below these plans must comply with the Hazardous Substances (Emergency Management) Regulations 2001 which require plans to be available, up to date and tested regularly.

The Safe Handling of Pre-feeds SOP is to be referenced prior to undertaking any amendments of substance to this document.

Pre-feed Handling & Personal Protective Equipment Standard

Only people lawfully assisting in the operation remain in the vicinity of the loading sites. Standards for every task ☐ Potential hazards, spillage and accident procedures are discussed before starting the work. Hand-washing facilities are available, e.g. soap, paper towels, glean water. Protective clothing and equipment is removed and hands arms/face thoroughly washed at the end of a task or before eating, dhinking, smoking or using the toilet. The pre-feed must not be opened or handled in a poorly ventilated or confined area. Everyone handling presideds has read and has available at all times: A current (up to date) copy of this safe handling sheet

The pre-feed label

MSDS (material safety data sheet)

Manufacturer's instructions for use and maintenance of PPE (where they exist)

O Handling unopened packages Standards for this task: ☐ Follow "Standards for every task" given above. ☐ Approved Handlers receiving packaged pre-feeds check the product label matches the contents. ☐ The pre-feed packaging is inspected for damage that may lead to a spill. Operators of forklifts or other machinery used for loading or unloading pre-feed hold appropriate licences/qualifications where required. Product Code¹ Minimum Specifications Туре 1221 Protective clothing - overalls - Yakka poly/cotton zip (white) Protective clothing - disposable - Kleenguard coverall (white) 151564 SAFEMATE Foot protection - gumboots Bata Safemate (white) Hand protection - manual handling - Hyflex NBR² Hand protection - Rubber - Nitrile chemical glove Maps



Handling bait or open packages



Standards for this task:

- ☐ Follow "Standards for every task" given above.
- ☐ All equipment used to handle, dispense or carry pre-feeds (e.g. bucket or hopper) must be fit for purpose and be free of defects (i.e. no damage that may lead to spill).



Minimum Specifications

Eye protection - goggles - Ultrasonic clear UVEX

(wear over prescription glasses where necessary)

Eye protection - goggles - Gogglegear AO safety (wear over prescription glasses where necessary)

Product Code

253456

300381



Respiratory protection - disposable masks - respirator P2 dust Moldex 2700

Respiratory protection - disposable masks - respirator P2 dust Moldex 2300

Protective clothing - overalls - Yakka poly/cotton zip (white)

Protective clothing - disposable - Kleenguard coverall (white)

Foot protection - gumboots Bate Salemate (white)

405364

405359

151564

SAFEMATE



Hand protection manual handling

501075

492



White gumboots

Emergency Response Plan – During Storage and Transport Moehau Pest Control Operation 2015

		Suspected poisoning	
		Actions:	Responsibility
1		information on label and MSDS:	All people involved
	i	Where necessary contact manufacturer for further information or take advice from National Poisons centre ph 0800 764 766.	al Line
	o I	Label and MSDS to be carried in drivers door pocket.	
	o I	First Aid kit containing appropriate antidote (if any) to be carried with the vehicle.	MI
2		e first aid:	Trained
	0 1	According to label & MSDS instructions	personnel
		According to instructions with antidote where appropriate.	
3	In all ca	ases seek medical advice:	All people
		Contact emergency services where necessary (Dial	involved
	15	Take patient to medical centre or hospital (contact	475 7
4	1	incident: To DOC Incident Controller	All people involved
Th		4415 who will advise Management as appropriate	

Emergency Response Plan – During Storage and Transport Papakai Pest Control Operation 2017

		Fire in storage or during transport	
		Actions:	Responsibility
1	1	rt incident:	Site Supervisor/
	0	210 19 any timing other mail very inition and cannot be	Driver/DOC
		easily extinguished call 111 immediately	Ranger escort
	0	Immediately to DOC Incident Controller	
2	Follor	who will advise Management as appropriate information on label and MSDS:	
1			Site Supervisor/
	0	Label and MSDS to be carried in drivers door pocket	Driver/DOC
	1	or on operation personnel	Ranger escort
	0	22 22 22 22 22 22 22 22 22 22 22 22 22	
		details, Safe Handling Sheet and Material Safety Data	
		Sheet	-WIN
	0	Where necessary contact manufacturer for further	
		information	$\bigcirc)^{\vee}$
	0		
	0	Use dry chemical, CO2 fire extinguisher from vehicle.	
	0	Sodium Fluoroacetate will not burn	
İ	0	Low flammability risk.	
	0	DO NOT GET WATER INSIDE CONTAINERS.	

RELEASED UNIDER THE ACT

TOOLBOX CLOSED INVENTORY

HAZARDOUS SUBSTANCES WHITIANGA WORKSHOP

www.hozendovssubstances governz Printed on the 21 Nov 2017. You can use the PIN above to access your inventory again in the future.

INVENTORY LIST	APPROVAL#	SUBSTANCE	STATE	AMOUNT	INCOMPATIE	
1. Petrol (unleaded)	HRC000003	Liquid		35L		
Hazard Classifications 3.1A , 6.1E . 6.3B , 6.7B 9.1B						
2. Mineral spirit	HSR007342	Liquid	30	OL	NA	
Hezard Classifications: 3.1C , 6.1E , 6.3A				710	MI	
3. Chain & Bar Lubricant	HSR002602	Liquid	10	20L		
Hazard Classifications: 3.1D , 6.1D , 6.3A , 6.4A , 6.5A , 6.5B ,	5.6A 6.8A 6.9A 8	A CAN	Mr.		<u>@</u>	
4. Sodium fluoroacetate (1086) Hazard Classifications. 6.1A. 6.3B 6.4A, 6.8A, 6.9A 9.1A,	H\$R002771	Solid		600KG		

HAZARDOUS SUBSTANCES

WHITIANGA WORKSHOP

CLOSED INVENTORY

Printed on the 21 Nov 2017. You can use the PIN above to access your inventory again in the future,

HSNO	CONTRO	LS.
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CONTRIBUTING CONTROL MESSAGE **HSNO CONTROL** SUBSTANCES Sodium fluoroacetate You need an approved handler. Approved Handler (1080) Refer to the Test Certificates section of Your Practical Guide. Sodium fluoroacetate (1080) You need an emergency response plan. Emergency Response Plan Refer to the Emergency Preparation section of Your Practical Guide. You need to refer to the safety data sheets for your substances Retrol (unleaded) Personal Protective Equipment to find out what personal protective equipment people using each substance need to wear. Also rafer to the Keep Safe with Hazardous Substances section of Your Practical Guide. Under Chain & Bar Lubricant HSE, all substances require the use of protective clothing. Sodium fluoroacetate (1080)

Signage

You need signs.

Refer to the Hazardous Substance Information section of Your (1080)
Practical Guide for Information about what you need on your

The hazardous properties that you need to show on your sign are shown below.

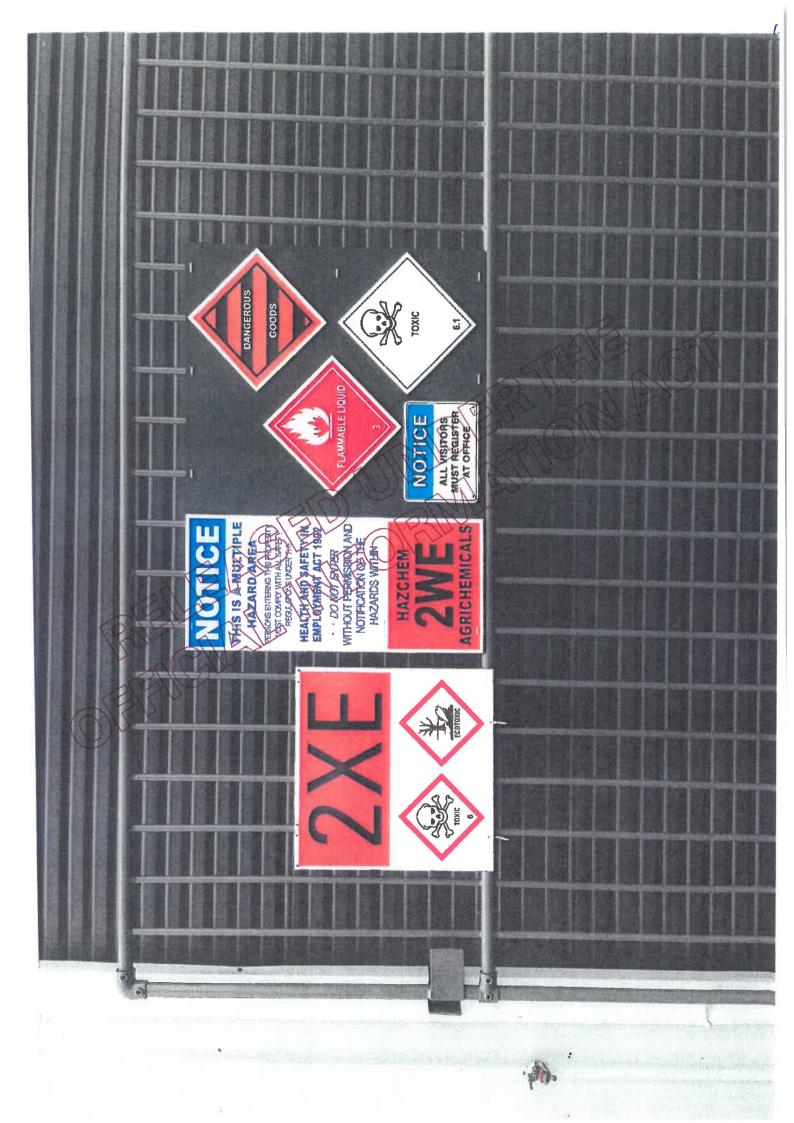
Sedium fluoroacetate

(5)

			505		
	AYCE LICENCE (NEW ZEALAND)	Sprine. 18/08/2020	Physical Physics (1980)	Sheetal Conditions: Only approved the Unferpoint listed on the Approved Handha Last-Ceribhasis Contitions on the Approved Nendler Certificate must be complete efficient Pinthere generated take only	
		SHORING STATES	Approved Substances patrosian cyanida, solium cyanida, solium piréture	Sheetal Conditions: Only approved teacher interest on the Approved Hardher Leaf-Ceriff Contillains on the Approved Hardler Certificate must be completed with Pinthern premitted take only	The aceime must be available by respection at all cores
RELATION	CONVIDENCED SUBSY	WOR	Approved Substances potstaken eyeside, uniform	Special Conditions: Only approved to Weepcins Conditions on the Approved Profess premitted bein early	The active must be 49% forest to all cores
		,			

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