

1: Identification of the Substance and Supplier

Product Name	ACCUTURF PRO22
Recommended Use	Fertiliser
Company Details	Living Turf NZ
Web Address	www.livingturf.co.nz
Email Address	servicenz@livingturf.com
Telephone Number	0800 428 268
Emergency Telephone	CHEMCALL (0800 243 622) (24 hours)
National Poison Centre	0800 POISON (0800 764 766) (24 hours)
Date of Issue/Revision	10 September 2021

2: Hazards Identification

Classification of the substance or mixture

Considered a Hazardous Substance according to the criteria of the New Zealand Hazardous Substances New Organisms legislation. Not regulated for transport of Dangerous Goods.

Classification Skin Corrosion/Irritation Category 2, Eye Irritation Category 2A, STOT SE Category 3, STOT RE Category 1. 6.3A, 6.4A, 6.9C, 6.9A

HSNO Classes:

Hazard Pictograms



Signal word Hazard Danger

Statements

H315	6.3A Causes skin irritation.
H319	6.4A Causes serious eye irritation.
H335	6.9C May cause respiratory irritation.
H372	6.9A Cause damage to organs (lungs) through prolonged or repeated exposure

Precautionary Statements

Prevention	P201 Obtain special instructions before use.
	P202 Do not handle until all safety precautions have been read and understood.
	P260 Do not breathe dust.
	P264 Wash hands thoroughly after handling.
	P270 Do not eat, drink or smoke when using this product.
	P271 Use only outdoors or in a well-ventilated area.
	P280 Wear protective gloves/protective clothing/eye protection/face protection.
	P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
Response	P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
	P301+P312 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.
	P330 Rinse mouth.
	P302+P352 IF ON SKIN: Wash with plenty of water.
Storage	P362+P364 Take off contaminated clothing and wash it before reuse.
	P314 Get medical advice/attention if you feel unwell.
Disposal	P405 Store locked up.
	P501 Dispose of contents/container according to local regulations.

Description of any hazards not otherwise classified Not Applicable

% ingredient(s) with unknown acute toxicity Not Applicable

3: Composition / Information on Ingredients

Name	Chemical Name	CAS No.	Concentration %
Urea		57-13-6	N/A
Muriate of Potash		7447-40-7	N/A
Iron Oxysulfate		1309-37-1	N/A

Name	Chemical Name	CAS No.	Concentration %
XCU	Urea (85% -95%)	57-13-6	N/A
	Sulfur (4% - 13%)	7704-34-9	N/A
	Polymer Coating (<5%)	mixture	N/A
	Non-hazardous Dye (<1%)	Trade secret	N/A
Ammonium Sulphate		7783-20-2	

4: First Aid Measures

First Aid measures after Inhalation	
Following inhalation	Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Use oxygen as required, provided by a qualified operator. Get medical attention if irritation develops and persists.
First Aid measures after Skin exposure	
Following skin contact	Wash off immediately with plenty of water for at least 15 minutes. Take off contaminated clothing and shoes immediately. Wash contaminated clothing before re-use. Get medical attention if irritation develops and persists.
First Aid measures after Eye exposure	
Following eye contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention if irritation develops and persists.
First Aid measures after Ingestion	
Following ingestion	Induce vomiting, but only if victim is fully conscious. Never give anything by mouth to an unconscious person. Drink 1 or 2 glasses of water. Do not give milk or alcoholic beverages. Call a physician.
Most important symptoms and effects,	both acute and delayed
INHALATION	Respiratory irritation.
SKIN	Skin irritation, redness,
EYES	May cause serious eye irritation
INGESTION	If a large quantity has been ingested: Abdominal pain. Diarrhea. Nausea. Vomiting. May cause drowsiness and loss of coordination.
Indication of any immediate medical attention and special treatment needed	
Notes to physician:	Treat symptomatically.

5: Fire Fighting Measures

Extinguishing media	<u>Suitable:</u> Use extinguishing agent suitable for type of surrounding fire. Avoid excessive water to minimize runoff. Prevent firefighter water from entering the environment. Small fires: Water spray, foam, dry chemical or CO2 Large fires: Water spray, fog or foam. <u>Unsuitable:</u> None known.
Special hazards arising from chemical or mixture during the fire	Container may rupture on heating. Cool closed containers exposed to fire with water spray. Do not allow run-off from firefighting to enter drains or water courses. Explosive reactions with oxidizing agents such as potassium chlorate and/or peroxides. In case of fire hazardous decomposition products may be produced such as: - Sulphur oxides - Ammonia - Carbon monoxide - Carbon dioxide (CO2)
Special Protective Precautions or equipment for firefighters	In the event of fire and/or explosion do not breathe fumes. In the case of respirable dust and/or fumes, use self-contained breathing apparatus and dust impervious protective suit.

6: Accidental Release Measures

Personal precautions, protective equipment	Wear personal protective equipment.
Emergency procedures	Unprotected persons must be kept away. Evacuate personnel to safe areas. Provide adequate ventilation. Avoid dust formation. Avoid breathing dust. Avoid contact with skin, eyes and clothing.
Methods and materials used for containment	Do not flush into surface water or sanitary sewer system. Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean-up procedures	Use mechanical handling equipment. Clean contaminated surface thoroughly. Pick up and arrange disposal without creating dust. Use a suitable vacuum cleaner.

7: Storage, Handling and Use

Precautions for safe handling	Handle with care. Wear personal protective equipment. Use only in well-ventilated areas. Avoid dust formation. Provide exhaust ventilation if dust is formed. Dust must be extracted directly at the point of origin. Avoid breathing dust. Avoid contact with skin, eyes and clothing.
Conditions for safe storage	Keep containers tightly closed in a dry, cool and well-ventilated place. Containers should be protected against falling down. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Store away from incompatible substances.

8: Exposure Control / Personal Protection

Exposure Limits	Workplace Exposure Standards (WES): Exposure limits have not been established for any of the significant ingredients in this product
Engineering Controls	Provide exhaust ventilation if dust is formed. Dust must be extracted directly at the point of origin. Apply technical measures to comply with the occupational exposure limits.
Personal Protective Equipment	
Hand Protection	Gloves must be inspected prior to use. Replace when worn.
Eye Protection	Do not wear contact lenses. Wear as appropriate: Safety glasses with side-shields
Body Protection	Long sleeved clothing
Respiratory Protection	If there is a significant chance that dusts are likely to build up in the area where this product is being used, we recommend that you use a suitable Dust Mask. Safety deluge showers should, if practical, be provided near to where this product is being handled commercially.
Hygiene Measures	Wash hands before breaks and at the end of workday. Remove and wash contaminated clothing before re-use. Keep working clothes separately.

9: Physical and Chemical Properties

Information of basic physical and chemical properties

Appearance (physical state, colour, etc.)	Multicolored granules, solid
Odour	Odourless
Odour threshold	Not applicable
pH	No data available
Melting point/freezing point;	No data available
Boiling point	Not applicable
Boiling Range	Not applicable
Flash point	No data available
Evaporation rate	Not applicable
Flammability	Not flammable
Upper/lower flammability or explosive limits	No data available
Oxidising properties	No data available
Vapour pressure	Not applicable
Vapour density	No data available
Density	977kg/m ³
Solubility in water	Partially soluble
Other Solvents	No data available
Partition coefficient (n-octanol/water)	No data available
Auto ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	Not applicable

10: Stability and Reactivity

Reactivity	This product is unlikely to react or decompose under normal storage conditions. However, if you have any doubts, contact the supplier for advice on shelf life properties.
Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	Hazardous polymerization does not occur.
Conditions to avoid	Keep at temperatures below 5374 °F (190 °C)
Incompatible materials	Strong oxidizing agents, Chlorates and Hypochlorites
Hazardous decomposition products	During fire, smoke may contain original material and combustion products of varying composition which may be toxic and/or irritating. Combustion products may include: Nitrogen oxides. Hydrogen fluoride. Hydrogen chloride. Carbon monoxide. Carbon dioxide.

11: Toxicological Information

HSNO Classification(s)	
6.3A	Causes skin irritation.
6.4A	Causes serious eye irritation.
6.9C	May cause respiratory irritation.
6.9A	Cause damage to organs (lungs) through prolonged or repeated exposure
Ingestion	Urea has diuretic effect. Ingestion of large quantities may lead to nausea and vomiting.
Inhalation	Slight irritant. Elevated exposure may result in mucous membrane irritation (nose & throat).
Skin	Irritant. Prolonged may result in irritation itching and possible skin rash.
Eye	Irritant. May cause lachrymation, irritation, pain & redness.
Chronic Effects	Not anticipated
Other Information	No adverse health effects expected under normal conditions.
Toxicity Data	None known

12: Ecotoxicity Information

Ecotoxicity	Avoid unintended release into streams and waterways.
Environmental Exposure Limit (EEL)	Not assigned.

This product is unlikely to adversely effect the environment. Salts, acids and bases are typically diluted and neutralised when released to the environment in small quantities. Expected to not be an environmental hazard.

DO NOT discharge into sewer or waterways.

13: Disposal Considerations

Product Disposal	Observe any local authority restrictions that may apply. Collection into sealable containers and dispose of in an approved land fill. If practicable apply excess fertiliser at recommended rates to appropriate land. Disposal method not to be used include (but not limited to) burning and burying.
Container Disposal	Rinse containers thoroughly prior to reuse. Otherwise render unusable and dispose of as waste.

14: Transport Information

UN Number	None Allocated
Proper Shipping Name	None Allocated
DG Class	None Allocated
Other information	No special transport requirements necessary

15: Regulatory Information

HSNO Approval Number	HSR002571
EPA Approved pursuant to the HSNO Act 1996	See www.epa.govt.nz for approval controls.

16: Other Information

Users must ensure that the most up to date version of this safety data sheet is used.

This Safety Data Sheet summarises information on this product, and how to safely handle and use the product. Each user should familiarise themselves with the product label, Safety Note and Safety Data Sheet, and consider the information in the context of how the product will be handled and used, including in conjunction with other products.

Turfgrass Specialists Ltd assumes no responsibility for the accuracy, completeness or suitability of this information. The user is responsible for determining the suitability and accuracy of this information for their particular purposes.

If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company.