

SAFETY DATA SHEET



SYNTHETIC SPORTS SURFACE SOLUTIONS – SynSportSpotTreat

Date of Issue: October 2022

VERSION #1.0

Page 1 of Total 6

SECTION 1 – STATEMENT OF CHEMICAL PRODUCT AND COMPANY IDENTIFICATION


Trade Name:	SYNTHETIC SPORTS SURFACE SOLUTIONS – SynSportSpotTreat		
SUPPLIER:	ANJA Enterprises Pty Ltd		
ADDRESS (Au):	PO BOX 9442, PACIFIC PARADISE QLD 4564		
SUPPLIER (NZ):	Field Turf NZ		
ADDRESS (NZ):	2 Beasley Avenue, Penrose, Auckland, New Zealand 1061		
TELEPHONE (Au):	+61 0456 789 754	Email:	info@bowlinggreensupplies.com
TELEPHONE (NZ):	021 024 30496	Email:	admin@fieldturf.co.nz
AH EMERGENCY TELEPHONE:	13 1126 in Australia. 0800 764 766 in New Zealand.	ABN:	99 604 556729
Substance:	Water based	Product Use:	Spot Treatment
Creation Date:	Oct 2022	Revision Date:	Oct 2027
Product Code:			

SECTION 2 – HAZARDS IDENTIFICATION

Classification of the substance or mixture

Poisons Schedule	S5 (Hydrogen peroxide >3%)
Dangerous Goods	Not classified as Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail" and the "New Zealand NZS5433: Transport of Dangerous Goods on Land".
GHS Classification	Classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS7) including Work, Health and Safety regulations, Australia. <ul style="list-style-type: none"> • Eye Irritation Category 2A
NZ HSNO CLASSIFICATION	<ul style="list-style-type: none"> • 6.4A Substances that are irritating to the eye.

Label elements

GHS label pictograms	 <p style="text-align: center;">GHS 07 EXCLAMATION MARK</p>
Signal word	WARNING
Hazard statement(s)	H319 Causes serious eye irritation
Precautionary statement(s): General	<p>P102 Keep out of reach of children.</p> <p>P103 Read label before use.</p>
Precautionary statement(s): Prevention	<p>P264 Wash hands and skin thoroughly after handling.</p> <p>P280 Wear eye protection/face protection.</p>
Precautionary statement(s): Response	<p>P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P337 + P313 If eye irritation persists: Get medical advice/attention.</p>
Precautionary statement(s): Storage	

SAFETY DATA SHEET



SYNTHETIC SPORTS SURFACE SOLUTIONS – SynSportSpotTreat

Date of Issue: October 2022

VERSION #1.0

Page 2 of Total 6

	None allocated
Precautionary statement(s): Disposal	
	None allocated
Note	
IMPORTANT	This SDS and the Hazard Classifications contained therein, only apply to the product in its concentrated form, as supplied. When diluted to 1:2 or greater they no longer apply. However, good hygiene and housekeeping practices should be adhered to.

SECTION 3 – COMPOSITION AND INFORMATION ON INGREDIENTS

Ingredients:	CAS Number:	Proportion:
Hydrogen peroxide	7722-84-1	<10% w/w
Ingredients determined to be non-hazardous		Balance

NOTE: Ingredients determined not to be hazardous are present in concentrations that do not exceed the relevant cut-off concentrations as found from NOHSC publication "List of Designated Hazardous Substances" or have been found NOT to meet the criteria of a hazardous substance as defined in the NOHSC publication "Approved Criteria for Classifying Hazardous Substances", or have been found NOT to meet the criteria of a dangerous substance as defined in the GLOBALLY HARMONIZED SYSTEM OF CLASSIFICATION AND LABELLING OF CHEMICALS (GHS7). Listed ingredients may be below the cut-off concentrations for classification as hazardous, but are listed for information purposes and for additive effects.

SECTION 4 – FIRST AID MEASURES

Inhalation	Remove victim to fresh air away from exposure. Obtain medical attention if symptoms occur.
Skin contact	Immediately wash contaminated skin with plenty of soap and water. Remove contaminated clothing and wash before re-use. Seek medical advice (e.g. doctor) if irritation, burning or redness persists.
Eye contact	If in eyes, hold eyelids apart and flush the eyes continuously with running water. Remove contact lenses. Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes. If symptoms persist, seek medical attention.
Ingestion	Do NOT induce vomiting. Do NOT attempt to give anything by mouth to an unconscious person. Rinse mouth thoroughly with water immediately. Give water to drink. If vomiting occurs, give further water to achieve effective dilution. Seek medical advice (e.g. doctor).
Advice to Doctor	Treat symptomatically.
Scheduled Poisons	Poisons Information Centre in each Australian State capital city or in Christchurch, New Zealand can provide additional assistance for scheduled poisons. (Phone Australia 131126 or New Zealand 0800 764 766).
First Aid Facilities	Eye wash station. Normal washroom facilities.

SECTION 5 – FIRE FIGHTING MEASURES

Fire and Explosion Hazards	Non-combustible material. Liberates oxygen - sustains fires. On evaporation of the aqueous component, the residual material may burn.
Extinguishing Media	Use flooding quantities of water. DO NOT use dry chemical, CO2 or foam. Chemical extinguishers may accelerate decomposition.
Fire Fighting	Keep containers exposed to extreme heat cool with water spray. Fire fighters to wear self-contained breathing apparatus if risk of exposure to products of combustion or decomposition.
Flash Point	None

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Emergency Procedures	Minor spills do not normally need any special clean-up measures – rinse with water. In the event of a major spill, prevent spillage from entering drains or water courses. Wear appropriate personal protective equipment and clothing to prevent exposure. Increase ventilation. As a water based product, if spilt on electrical equipment the product will cause short-circuits. If possible contain the spill. Place inert absorbent material onto spillage. Collect
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SAFETY DATA SHEET



SYNTHETIC SPORTS SURFACE SOLUTIONS – SynSportSpotTreat

Date of Issue: October 2022

VERSION #1.0




Page 3 of Total 6

the material and place into a suitable labelled container. Dispose of waste according to the applicable local and national regulations.
If contamination of sewers or waterways occurs inform the local water and waste management authorities in accordance with local regulations.

SECTION 7 – HANDLING AND STORAGE

Handling	Avoid contact with incompatible materials. When handling, DO NOT eat, drink or smoke. Keep containers closed at all times. Avoid physical damage to containers. Always wash hands with soap and water after handling.
Storage	Store in a cool, dry, well-ventilated area, out of direct sunlight. Protect from freezing. Store in suitable, labelled containers. Keep containers tightly closed. Ensure that storage conditions comply with applicable local and national regulations.

SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Limits	National Occupational Exposure Limits, as published by National Occupational Health & Safety Commission: Time-weighted Average (TWA): None established for product. <ul style="list-style-type: none"> Hydrogen Peroxide: 1ppm, (1.4 mg/m3) Short Term Exposure Limit (STEL): None established for product.
Ventilation	Use with adequate ventilation.
Personal Protective Equipment	Use good occupational work practice. The use of protective clothing and equipment depends upon the degree and nature of exposure. The following protective equipment should be available;
Eye Protection 	Generally not required for typical applications with diluted solutions as per label directions. Safety glasses with full face shield should be used for handling concentrate in quantity, cleaning up spills, decanting, etc. Eye protection devices should conform to relevant regulations. Eye protection should conform with Australian/New Zealand Standard AS/NZS 1337 - Eye Protectors for Industrial Applications.
Hand Protection 	Wear gloves of impervious material such as butyl rubber, natural latex, neoprene, PVC and nitrile – to handle in quantity, clean up spills, decanting, etc. Final choice of appropriate gloves will vary according to individual circumstances. i.e. methods of handling or according to risk assessments undertaken. Occupational protective gloves should conform to relevant regulations. Reference should be made to AS/NZS 2161.1: Occupational protective gloves - Selection, use and maintenance.
Body Protection 	Suitable protective workwear, e.g. rubber or plastic apron, sleeves, boots and cotton overalls buttoned at neck and wrist are recommended. Chemical resistant apron is recommended where large quantities are handled.
Respirator	Generally not required for typical applications with diluted solutions as per label directions. If engineering controls are not effective in controlling airborne exposure then an approved respirator with a replaceable vapor/mist filter should be used. Refer to relevant regulations for further information concerning respiratory protective requirements. Reference should be made to Australian Standards AS/NZS 1715, Selection, Use and Maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices, in order to make any necessary changes for individual circumstances.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Non-viscous liquid	Colour	Clear / colourless
Odour	No odour	Specific Gravity	1.00 – 1.04 @ 20 °C
Boiling Point	Approximately 100 °C	Freezing Point	Approximately 0 °C
Vapour Pressure	Not available	Vapour Density	Not available
Flash Point	Not flammable	Flammable Limits	none

SAFETY DATA SHEET



SYNTHETIC SPORTS SURFACE SOLUTIONS – SynSportSpotTreat

Date of Issue: October 2022

VERSION #1.0

Page 4 of Total 6

Water Solubility	Miscible in all proportions	pH	3.5 – 6.0 neat
Volatile Organic Compounds (VOC)	0 % v/v	Per Cent Volatile	Ca 100 % v/v
Viscosity	Not available	Odour Threshold	Not available

SECTION 10 – STABILITY AND REACTIVITY

Reactivity	Stable at normal temperatures and pressure. Breaks down in sunlight, unstable with heat or contamination. Liberation of oxygen gas. Strong oxidizing agent. Reacts with other chemicals. Prolonged contact with metals may cause pitting or discolouration.
Conditions to Avoid	Extremes of temperature and direct sunlight.
Incompatibilities	Reducing agents, oxidizing agents. Albumin, alkalis, alkali metals, alkali salts, alkali hydroxides, alkaline earth metals, metals, metals in powder form, metallic oxides, metallic salts, ferrous salts, mercurous salts, gold salts, nonmetals, nonmetallic oxides, aldehydes, alcohols, amines, ammonia and their carbonates, hydrazine and derivatives, hydrides, combustible substances, ethers, acids, anhydrides, oxidizing agents, organic substances, peroxi compounds, impurities/dust, permanganates, organic solvents, organic nitro compounds, brass, balsam Peru, phenol, charcoal, chlorides, alkali citrates, hypophosphites, iodides, lime water, permanganates, sulfites and tinctures.
Hazardous Decomposition	None expected under normal conditions. Thermal decomposition (burning) may result in the release of toxic and/or irritating fumes. Oxygen gas.

SECTION 11 – TOXICOLOGICAL INFORMATION

POTENTIAL HEALTH EFFECTS

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

Inhalation	Not considered to be an inhalation hazard. Hydrogen peroxide - LC50 (rat): 2000 mg/m ³ /4 h (90% solution).
Skin contact	May be a mild irritant. No adverse effects if rinsed properly.
Eye contact	Eye contact will cause stinging, blurring, tearing and pain.
Ingestion	Ingestion of this product may irritate the gastric tract causing nausea and vomiting.
Chronic exposure	No known effects.
Toxicology Information	Not toxic, based on ingredients. Oral LD50 (ATE calculated): > 20,000 mg/kg
Carcinogen Status	
NOHSC	No significant ingredient is classified as carcinogenic by NOHSC.
NTP	No significant ingredient is classified as carcinogenic by NTP.
IARC	Hydrogen peroxide [7722-84-1] is evaluated in the IARC Monographs (Vol. 36, Suppl. 7, Vol. 71; 1999) as Group 3: Not classifiable as to carcinogenicity to humans.
Respiratory sensitisation	Not expected to be a respiratory sensitizer.
Skin Sensitisation	Not considered to be a skin sensitizer hazard.
Germ cell mutagenicity	Not considered to be a mutagenic hazard.
Reproductive Toxicity	Not considered to be toxic to reproduction.
STOT-single exposure	Not expected to cause toxicity to a specific target organ.
STOT-repeated exposure	Not expected to cause toxicity to a specific target organ.
Aspiration Hazard	Not expected to be an aspiration hazard.

SECTION 12 – ECOLOGICAL INFORMATION

Acute Aquatic Toxicity Product (as sold)	Not harmful to aquatic life. LC50 > 100mg/L. Acute Aquatic Toxicity (Calculated) LC50: 346 - 763 mg/L. Acute Aquatic Toxicity NOT HAZARDOUS In high concentrations: Toxic effect on fish and plankton due to oxygen levels and pH shift.
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SAFETY DATA SHEET



SYNTHETIC SPORTS SURFACE SOLUTIONS – SynSportSpotTreat

Date of Issue: October 2022

VERSION #1.0

Page 5 of Total 6

	When introduced properly, no impairments in the function of adapted biological waste-water-treatment plants are to be expected.
Acute aquatic Toxicity Product (at use dilution 1:100 rinse)	Not harmful to aquatic life. LC50 > 100mg/L. Acute Aquatic Toxicity (Calculated) LC50: 34,600 – 76,300 mg/L. Acute Aquatic Toxicity NOT HAZARDOUS
Persistence and degradability	Photochemical degradation (air) takes place. Under ambient conditions quick hydrolysis, reduction or decomposition occurs. The following substances are formed: oxygen and water
Bio accumulative potential	No bioaccumulation is expected. Hydrogen peroxide LOW (Log KOW = -1.571)
Mobility in soil	Due to its physico-chemical characteristics, highly mobile in the environment and will partition to the aquatic compartment.
Other adverse effects	Not available
Environmental Protection	Prevent large amounts of this material into waterways.

SECTION 13 – DISPOSAL CONSIDERATIONS

	Dispose of waste according to applicable local and national regulations. Do not allow into drains or watercourses or dispose of where ground or surface waters may be affected. Wastes including emptied containers are controlled wastes and should be disposed of in accordance with all applicable local and national regulations.
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SECTION 14 – TRANSPORT INFORMATION

Labels Required	
ADG	None allocated
IMDG Marine Pollutant	None allocated
HAZCHEM	None allocated
Land Transport (ADG)	
UN Number	None allocated
Proper Shipping Name	None allocated
ADG Code	None allocated
HAZCHEM Code	None allocated
Special Provisions	None allocated
Packing Group	None allocated
Packaging Method	None allocated
Segregation	None allocated

SECTION 15 – REGULATORY INFORMATION

GHS Classification	Classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia.
SUSMP	Schedule 5
ADG Code	None allocated
AICS	All ingredients present on AICS.
NZIoC (New Zealand Inventory of Chemicals):	All components of this product are listed on or exempt from the New Zealand Inventory of Chemical (NZIoC).
HSNO Approval Number:	Cleaning Products (Subsidiary Hazard) Group Standard 2020 - HSR002530

SECTION 16 – OTHER INFORMATION

Issue Date	7 th October 2022
Version Number	V 1.0 GHS7 classification and revision.

SAFETY DATA SHEET



SYNTHETIC SPORTS SURFACE SOLUTIONS – SynSportSpotTreat

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Page 6 of Total 6

Prepared by:	This Safety Data Sheet has been prepared by Tuwai Specialties on behalf of its client. tuwai.wt@bigpond.com
Abbreviations and acronyms	ADG Code: Australian Code for the Transport of Dangerous Goods by Road and Rail. AICS: Australian Inventory of Chemical Substances. CAS Number: Chemical Abstracts Service Registry Number. GHS: Globally Harmonized System of Classification and Labelling of Chemicals HAZCHEM: An emergency action code of numbers and letters which gives information to emergency services. HSIS: Hazardous Substances Information System IARC: International Agency for Research on Cancer. NOHSC: National Occupational Health and Safety Commission. NTP: National Toxicology Program (USA). SDS: Safety Data Sheet STEL: Short Term Exposure Limit. SUSMP: Standard for the Uniform Scheduling of Medicines and Poisons. TWA: Time Weighted Average. UN Number: United Nations Number.
Literature references	Preparation of Safety Data Sheets for Hazardous Chemicals – Code of Practice (Safe Work Australia). GHS Hazardous Chemical Information List (Safe Work Australia). Guidance on the Classification of Hazardous Chemicals under the WHS Regulations. Global Harmonized System of Classification and Labelling of Chemicals (GHS). “Australian Exposure Standards”. Safework Australia. Australian Code For The Transport Of Dangerous Goods By Road And Rail. Standard for the Uniform Scheduling of Medicines and Poisons. Material Safety Data Sheets – individual raw materials – Suppliers. HSIS – Hazardous Substance Information System – National Safe Work Australia Data Base. HCIS – Hazardous Chemical Information System – National Safe Work Australia Data Base. HSNO Assigning a Product to a HSNO Approval May 2013 / Revised June 2014. Hazardous Substances and New Organisms Act 1996 and Regulations. Thresholds and Classifications Under the Hazardous Substances and New Organisms Act 1996 JANUARY 2012 (CONTENT AS ORIGINALLY PUBLISHED MARCH 2008) Environmental Protection Authority Te Mana Rauhi Taiao NZ.
Disclaimer	This SDS summarizes at the date of issue our best knowledge of the health and safety hazard information of this product, and in particular how to safely handle and use this product in the workplace. Since the supplier cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, review this SDS in the context of how the user intends to handle and use the product in the workplace. If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact this supplier.

End of SDS