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Signet Turf Marking

Safety Data Sheet

SECTION 1: Product identifier

1.1. GHS Product identifier

Product form	: Mixture
Product name	: Signet Turf Marking White
Product code	: 8480
Date Issued	: 19/02/2024
Validity Date	: 19/02/2029

1.2. Other means of identification

Recommended use	: Aerosol spray for line marking turf at sports grounds, parks, gold courses etc. Turf marking does not kill the grass as other line-marking paints do. This allows grounds to be marked for different games without permanent marking. The marks are easily removed by mowing. Application is by spray atomisation from a handheld aerosol pack. Use according to manufacturer's directions.
Restrictions on use	: Not to be used for any purpose other than the one the product was designed for

1.3. Details of manufacturer or importer

PRIMEPAC INDUSTRIAL LTD
45 Noel Burnside Road,
Wiri, Auckland,
New Zealand.
Tel: +64 800 277772
Web: www.primepac.co.nz | email: sales@primepac.co.nz

1.4. Emergency phone number

For more information about poisons or in case of poisoning, call the National Poisons Centre on **0800 764 766**
A free 24/7 service for all New Zealanders

SECTION 2: Hazard identification

2.1. Classification of the hazardous chemical

Classification according to the model Work Health and Safety Regulations (WHS Regulations)

Aerosol, Category 1	H222;H229
Serious eye damage/eye irritation, Category 2A	H319
Specific target organ toxicity – Single exposure, Category , Narcosis	H336
Hazardous to the aquatic environment – Chronic Hazard, Category 3	H412

2.2. GHS Label elements, including precautionary statements.

Hazard pictograms (GHS AU):

Flame Exclamation mark

Signal word (GHS AU) : Danger

Contains : acetone (< 60 %); Butyl Acetate (< 10 %); Ethylene glycol monobutyl ether (< 10 %)

Hazard statements (GHS AU) : H222 - Extremely flammable aerosol H229 - Pressurised container: May burst if heated
H319 - Causes serious eye irritation
H336 - May cause drowsiness or dizziness
H412 - Harmful to aquatic life with long lasting effects

Precautionary statements (GHS AU) : P101 - If medical advice is needed, have product container or label at hand.
P102 - Keep out of reach of children.
P103 - Read carefully and follow all instructions.
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P251 - Do not pierce or burn, even after use.
P261 - Avoid breathing fume, mist, spray.
P264 - Wash hands, forearms and face thoroughly after handling.
P271 - Use only outdoors or in a well-ventilated area.
P273 - Avoid release to the environment.
P280 - Wear eye protection, protective clothing, protective gloves.
P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313 - If eye irritation persists: Get medical advice/attention.
P403+P233 - Store in a well-ventilated place. Keep container tightly closed.
P405 - Store locked up.
P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C. P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

Additional hazard statements (GHS AU) : AUH044 - Risk of explosion if heated under confinement.
AUH066 - Repeated exposure may cause skin dryness or cracking. INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING AND INHALING CONTENT CAN BE HARMFUL OR FATAL

2.3. Other hazards which do not result in classification

No additional information available

SECTION 3: Composition and information on ingredients

Name	CAS-No.	%
acetone	67-64-1	< 60

SECTION 4: First aid measures

4.1. Description of necessary first-aid measures

First-aid measures general : Call a poison center or a doctor if you feel unwell.
First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact : Wash skin with plenty of water.
First-aid measures after eye contact : Rinse immediately with plenty of water. Removal of contact lenses after an eye injury should only be undertaken by skilled personnel. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell.

4.2. Symptoms caused by exposure

Symptoms/effects : May cause drowsiness or dizziness.
Symptoms/effects after eye contact : Eye irritation.

4.3. Medical attention and special treatment

Other medical advice or treatment : Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.
Unsuitable extinguishing media : Unsuitable extinguishing media are not known.

5.2. Specific hazards arising from the chemical.

Fire hazard : Extremely flammable aerosol.
Explosion hazard : Pressurised container: May burst if heated.
General measures : No action shall be taken without appropriate training or involving any personal risk. Notify authorities if product enters sewers or public waters.
Hazardous decomposition products in case of fire : Toxic fumes may be released.

5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions : Exercise caution when fighting any chemical fire. Keep upwind. Fight fire from safe distance and protected location. In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion.
Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : No action shall be taken without appropriate training or involving any personal risk. Notify authorities if product enters sewers or public waters.

For non-emergency personnel

Emergency procedures : Ventilate spillage area. No open flames, no sparks, and no smoking. Avoid breathing dust/fume/gas/mist/vapours/spray. Avoid contact with skin and eyes.

For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and materials for containment and cleaning up

Methods for cleaning up : Mechanically recover the product.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Avoid contact with skin and eyes. Wear personal protective equipment.

Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Does not require any specific or particular technical measures.

Storage conditions : Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F. Store in a well-ventilated place. Keep cool.

Information on mixed storage : Store away from incompatible materials and products. Refer to the detailed list of incompatible materials in section 10 Stability/Reactivity.

Storage area : Keep out of direct sunlight.

Special rules on packaging : Position containers so that any labeling information is visible. Keep packaging closed when not in use. Check containers and packaging regularly for leaks and damage.

Packaging materials : Keep only in original packaging.

SECTION 8: Exposure controls and personal protection

8.1. Control parameters - exposure standards

acetone (67-64-1)	
Australia - Occupational Exposure Limits	
Local name	Acetone
OES TWA [1]	1185 mg/m^3
OES TWA [2]	500 ppm
OES STEL	2375 mg/m^3
OES STEL [ppm]	1000 ppm
Regulatory reference	Workplace exposure standards for airborne contaminants (2019)

8.2. Monitoring methods

Monitoring methods : Workplace exposure - General requirements for the performance of procedures for the measurement of chemical agents. Gas detectors should be used when flammable gases/vapours may be released.

8.3. Engineering controls

Appropriate engineering controls : Ensure good ventilation of the workstation. Use spark-/explosionproof appliances and lighting system. Use grounded electrical/mechanical equipment. Handle product within a closed system.

8.4. Individual protection measures, such as personal protective equipment (PPE)

Personal protective equipment : Personal protective equipment (PPE) must be suited to the nature of the work and any hazard associated with the work as identified by the risk assessment conducted. Avoid all unnecessary exposure. Ocular shower with suitable liquid.

Hand protection : Wear protective gloves

Eye protection : Wear eye protection: Chemical goggles or safety glasses

Skin and body protection : Wear protective clothing: Long sleeved protective clothing

Respiratory protection : Wear appropriate mask

Personal protective equipment symbol(s)

Environmental exposure controls : Avoid release to the environment.

Consumer exposure controls : Personal protective equipment (PPE) is not required when handling individual retail pack.

Other information : PPE compliant to the recommended standards should be selected. The following Australian and New Zealand Standards will provide general advice regarding safety clothing and equipment: Respiratory equipment: AS/NZS 1715, Protective Gloves: AS 2161, Industrial Clothing: AS2919, Industrial Eye Protection: AS1336 and AS/NZS 1337, Occupational Protective Footwear: AS/NZS2210.

SECTION 9: Physical and chemical properties

Appearance	: No data available
Molecular mass	: Not applicable
Colour	: Various colours
Odour	: Not available
Odour threshold	: No data available
pH	: Not available
pH solution	: Not available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point / Freezing point	: Melting point: Not available
Boiling point	: Not available
Flash point	: -80 °C (propellent).
Auto-ignition temperature	: Not available
Decomposition temperature	:Not available
Flammability	: No data available
Vapour pressure	: Vapour pressure: Not available
Relative density	: Relative vapour density at 20°C: Not available. (Air=1).
Density	: Relative density: 1.048 – 1.088 (Water = 1).
Solubility	: No data available
Partition coefficient n-octanol/water (Log Pow)	: Not available
Viscosity, kinematic	: Not available
Explosive properties	: Pressurised container: May burst if heated.
Explosive limits	: No data available
Minimum ignition energy	: No data available
VOC content	: Not available
Fat solubility	: No data available

SECTION 10: Stability and reactivity

Reactivity	: Extremely flammable aerosol. Pressurised container: May burst if heated.
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: No dangerous reactions known under normal conditions of use.
Conditions to avoid	: Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.
Incompatible materials	: Strong acids. Strong bases. Strong oxidizers.
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

acetone (67-64-1)	
LD50 oral rat	5800 mg/kg Source: ECHA
LD50 dermal rabbit	> 7400 mg/kg Source: ECHA
LC50 Inhalation - Rat	76 mg/l air Animal: rat, Animal sex: female, 95% CL: 65,2 - 88,4
LC50 Inhalation - Rat (Vapours)	76 mg/l Source: ECHA

Skin corrosion/irritation	: Not classified pH: Not available
Serious eye damage/irritation	: Causes serious eye irritation. pH: Not available
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: May cause drowsiness or dizziness.

acetone (67-64-1)	
STOT-single exposure	May cause drowsiness or dizziness.

STOT-repeated exposure : Not classified
Aspiration hazard : Not classified

Signet Turf Marking Various Colours - Blue, Red, Yellow, Black & White	
Vaporizer	Aerosol
Viscosity, kinematic	Not available
acetone (67-64-1)	
Animal studies and expert judgment for classification	False

SECTION 12: Ecological information

According to the National Code of Practice for the Preparation of Material Safety Data Sheets, Environmental classification information is not mandatory. Information relevant for GHS classification is available on request

12.1. Ecotoxicity

Ecology - general : Harmful to aquatic life with long lasting effects.
Hazardous to the aquatic environment, short–term (acute) : Not classified
Hazardous to the aquatic environment, long–term (chronic) : Harmful to aquatic life with long lasting effects.

acetone (67-64-1)	
LC50 - Fish [1]	5540 mg/l Source: ECHA
LOEC (chronic)	> 79 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC (chronic)	≥ 79 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
Partition coefficient n-octanol/water (Log Pow)	-0.24 Source: ICSC

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

Signet Turf Marking Various Colours - Blue, Red, Yellow, Black & White	
Partition coefficient n-octanol/water (Log Pow)	Not available
acetone (67-64-1)	
Partition coefficient n-octanol/water (Log Pow)	-0.24 Source: ICSC

12.4 Mobility in soil

Signet Turf Marking Various Colours - Blue, Red, Yellow, Black & White	
Partition coefficient n-octanol/water (Log Pow)	Not available

acetone (67-64-1)	
Partition coefficient n-octanol/water (Log Pow)	-0.24 Source: ICSC

12.5 Other adverse effects

Ozone : Not classified
Other adverse effects : No additional information available

Signet Turf Marking Various Colours - Blue, Red, Yellow, Black & White	
Fluorinated greenhouse gases	False
acetone (67-64-1)	
Fluorinated greenhouse gases	False

SECTION 13: Disposal considerations

Waste treatment methods : If material or container cannot be recycled, dispose in accordance with local, regional, national and international Regulations.

Product/Packaging disposal recommendations : When totally empty, containers are recyclable like any other packing.

SECTION 14: Transport information

ADG	IMDG	IATA
14.1. UN number		
1950	1950	1950
14.2. UN Proper Shipping Name		
AEROSOLS	AEROSOLS	Aerosols, flammable
14.3. Transport hazard class(es)		
2.1	2.1	2.1
		
14.4. Packing group		
Not applicable	Not applicable	Not applicable
14.5. Environmental hazards		
Dangerous for the environment: No	Dangerous for the environment: No Marine pollutant: No	Dangerous for the environment: No

14.6 Special precautions for user

Specific storage requirement : No data available
Shock sensitivity : No data available

14.7 Additional information

Other information : No supplementary information available

Transport by road and rail

UN-No. (ADG)	: 1950
Special provision (ADG)	: 63, 190, 277, 327, 344, 381
Limited quantities (ADG)	: See SP 277
Excepted quantities (ADG)	: E0
Packing instructions (ADG)	: P207, LP200
Special packing provisions (ADG)	: PP87, L2

Transport by sea

UN-No. (IMDG)	: 1950
Special provisions (IMDG)	: 63, 190, 277, 327, 344, 381, 959
Packing instructions (IMDG)	: P207, LP200
Special packing provisions (IMDG)	: PP87, L2
EmS-No. (Fire)	: F-D - FIRE SCHEDULE Delta - FLAMMABLE GASES
EmS-No. (Spillage)	: S-U - SPILLAGE SCHEDULE Uniform - GASES (FLAMMABLE, TOXIC OR CORROSIVE)
Stowage category (IMDG)	: None
Stowage and handling (IMDG)	: SW1, SW22
Segregation (IMDG)	: SG69

Air transport

UN-No. (IATA)	: 1950
PCA Excepted quantities (IATA)	: E0
PCA Limited quantities (IATA)	: Y203
PCA limited quantity max net quantity (IATA)	: 30kgG
PCA packing instructions (IATA)	: 203
PCA max net quantity (IATA)	: 75kg
CAO packing instructions (IATA)	: 203
CAO max net quantity (IATA)	: 150kg
Special provisions (IATA)	: A145, A167, A802
ERG code (IATA)	: 10L

14.8 Hazchem or Emergency Action Code

Hazchem Code : Not applicable

SECTION 15: Regulatory information

15.1. Safety, health, and environmental regulations specific for the product in question

Australian Industrial Chemicals Introduction Scheme (AICIS)

Australian Inventory of Industrial Chemicals (AICIS Inventory) status : Listed

Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP)

Relevant Poisons Schedule number : Schedule 5

15.2. International agreements

No additional information available

SECTION 16: Other information

Indication of changes:

Routine Review - No significant changes from previous issue.

Indication of changes			
Section	**Changed Item**	**Change**	**Comments**
	Date of revision	Modified	
	Supersedes	Modified	
2.2	Precautionary statements (GHS AU)	Modified	
8.2	Consumer exposure controls	Added	
13.1	Product/Packaging disposal recommendations	Added	
13.1	Waste treatment methods	Modified	

Data sources : Safe Work Australia - Code of Practice - Preparation of Safety Data Sheets for Hazardous Chemicals
Safe Work Australia - Code of Practice - Labelling of Workplace Hazardous Chemicals
Safe Work Australia - Workplace Exposure Standards for Airborne Contaminants
Safe Work Australia - Hazardous Chemical Information System (HCIS)
Australian Inventory of Industrial Chemicals (AICIS Inventory)
Environmental Protection Authority - Hazardous Substances (Hazard Classification) Notice 2020
Environmental Protection Authority - Hazardous Substances (Safety Data Sheets) Notice 2017
Environmental Protection Authority - Hazardous Substances (Labelling) Notice 2017
New Zealand - Chemical Classification and Information Database (CCID)
New Zealand - Inventory of Chemicals (NZIoC)
European Chemicals Agency (ECHA) - Annex VI (C&L Inventory)
European Chemicals Agency (ECHA) - REACH Study Results
European Chemicals Agency (ECHA) - REACH Registration Dossiers
United Nations - Globally Harmonised System of Classification and Labelling of Chemicals (GHS)
Uniform Scheduling of Medicines and Poisons (SUSMP)
United Nations Recommendations on the Transport of Dangerous Goods (UNRTDG Model Regulation)
Australian Dangerous Goods Code (ADG Code)
International Air Transport Association Dangerous Goods Regulations (IATA DGR)
International Maritime Dangerous Goods (IMDG Code).

Date of revision : 26/08/2024

Classification	
Aerosol 1	H222;H229
Eye Irrit. 2A	H319
STOT SE 3	H336
Aquatic Chronic 3	H412

Full text of H-statements	
Aerosol 1	Aerosol, Category 1
Aquatic Chronic 3	Hazardous to the aquatic environment – Chronic Hazard, Category 3
Eye Irrit. 2A	Serious eye damage/eye irritation, Category 2A
Flam. Liq. 2	Flammable liquids, Category 2
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Narcosis
H225	Highly flammable liquid and vapour
H319	Causes serious eye irritation
H336	May cause drowsiness or dizziness
H412	Harmful to aquatic life with long lasting effects

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