

## Safety Data Sheet

according to the WHS Regulations  
Issue date: 23/01/2024 Supersedes: 23/01/2024 Version: 1.0

### SECTION 1: Product identifier

#### 1.1. GHS Product identifier

Product form : Mixture  
Product name : Signet Turf Marking Various Colours - Blue, Red, Yellow Black White  
Product code : 11553 11554 11555 11556 11559

#### 1.2. Other means of identification

Synonyms : 11553 Turf Blue / 11554 Turf Red / 11555 Turf Yellow / 11559 Turf Black

#### 1.3. Recommended use of the chemical and restrictions on use

Recommended use : Aerosol spray for line marking turf at sports grounds, parks, golf 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 hand held 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

#### 1.4. Details of manufacturer or importer

##### Supplier

Signet Pty Ltd  
56 Ingleston Rd  
WAKERLEY, QLD 4154  
Australia  
T +61 (07) 3179 2100  
[sales@signet.net.au](mailto:sales@signet.net.au) - [www.signet.net.au](http://www.signet.net.au)

#### 1.5. Emergency phone number

Emergency number : Office hours: +61 (07) 3179 2100  
Poisons Information Centre (24 h): 13 11 26

### 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 3, 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 %); Ethanol (< 30 %); Ethylene glycol monobutyl ether (< 10 %)  
Hazard statements (GHS AU) : H222 - Extremely flammable aerosol  
H229 - Pressurised container: May burst if heated

# Signet Turf Marking Various Colours - Blue, Red, Yellow Black White

## Safety Data Sheet

according to the WHS Regulations

Precautionary statements (GHS AU)	: H319 - Causes serious eye irritation H336 - May cause drowsiness or dizziness H412 - Harmful to aquatic life with long lasting effects 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 vapours, spray, mist. 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 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.

### 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
Ethanol	-	< 30
titanium dioxide	13463-67-7	< 30

## 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.
------------------------------	--

# Signet Turf Marking Various Colours - Blue, Red, Yellow Black White

## Safety Data Sheet

according to the WHS Regulations

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.

#### 6.1.1. 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.

#### 6.1.2. 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 : 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. Use only outdoors or in a well-ventilated area. Avoid breathing dust/fume/gas/mist/vapours/spray. 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 locked up. Store in a well-ventilated place. Keep container tightly closed. 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.

# Signet Turf Marking Various Colours - Blue, Red, Yellow Black White

## Safety Data Sheet

according to the WHS Regulations

### SECTION 8: Exposure controls and personal protection

#### 8.1. Control parameters - exposure standards

titanium dioxide (13463-67-7)	
<b>Australia - Occupational Exposure Limits</b>	
Local name	Titanium dioxide
OES TWA [1]	10 mg/m <sup>3</sup>
Remark (AU)	(a) This value is for inhalable dust containing no asbestos and < 1% crystalline silica.
Regulatory reference	Workplace exposure standards for airborne contaminants (2019)
acetone (67-64-1)	
<b>Australia - Occupational Exposure Limits</b>	
Local name	Acetone
OES TWA [1]	1185 mg/m <sup>3</sup>
OES TWA [2]	500 ppm
OES STEL	2375 mg/m <sup>3</sup>
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 work station. 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.

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.

# Signet Turf Marking Various Colours - Blue, Red, Yellow Black White

## Safety Data Sheet

according to the WHS Regulations

### SECTION 9: Physical and chemical properties

Physical state	: Liquid
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

titanium dioxide (13463-67-7)	
LC50 Inhalation - Rat (Dust/Mist)	> 6.82 mg/l Source: ECHA
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

# Signet Turf Marking Various Colours - Blue, Red, Yellow Black White

## Safety Data Sheet

according to the WHS Regulations

Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: May cause drowsiness or dizziness.

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

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

<b>Signet Turf Marking Various Colours - Blue, Red, Yellow Black White</b>	
Vaporizer	Aerosol
Viscosity, kinematic	Not available

<b>Ethanol</b>	
Animal studies and expert judgment for classification	False

<b>titanium dioxide (13463-67-7)</b>	
Animal studies and expert judgment for classification	False

<b>acetone (67-64-1)</b>	
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.

<b>titanium dioxide (13463-67-7)</b>	
LC50 - Fish [1]	> 100 mg/l

<b>acetone (67-64-1)</b>	
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

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

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

# Signet Turf Marking Various Colours - Blue, Red, Yellow Black White

## Safety Data Sheet

according to the WHS Regulations

### 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

#### Ethanol

Fluorinated greenhouse gases False

#### titanium dioxide (13463-67-7)

Fluorinated greenhouse gases False




#### acetone (67-64-1)

Fluorinated greenhouse gases False

## SECTION 13: Disposal considerations

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

## SECTION 14: Transport information

ADG	IMDG	IATA
<b>14.1. UN number</b>		
1950	1950	1950
<b>14.2. UN Proper Shipping Name</b>		
AEROSOLS	AEROSOLS	Aerosols, flammable
<b>14.3. Transport hazard class(es)</b>		
2.1	2.1	2.1
		
<b>14.4. Packing group</b>		
Not applicable	Not applicable	Not applicable
<b>14.5. Environmental hazards</b>		
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

# Signet Turf Marking Various Colours - Blue, Red, Yellow Black White

## Safety Data Sheet

according to the WHS Regulations

### 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, SW2  
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) : Listed  
Inventory) status

#### 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:

Initial :



# Signet Turf Marking Various Colours - Blue, Red, Yellow Black White

## Safety Data Sheet

according to the WHS Regulations

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).

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
Carc. 2	Carcinogenicity, Category 2
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
H351	Suspected of causing cancer
H412	Harmful to aquatic life with long lasting effects

Safety Data Sheet (SDS), Australia

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.