

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product form : Mixture  
 Product name : GD Artificial Grass Cleaner (Cut Grass)  
 Product group : Blend

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

##### 1.2.1. Relevant identified uses

Intended for general public  
 Main use category : Consumer use

##### 1.2.2. Uses advised against

No additional information available

#### 1.3. Details of the supplier of the safety data sheet

Gardener's Dream Ltd  
 Glasgow Road, Glasgow  
 G65 9BX  
 T. 01236 822000  
 E. sales@gardenersdream.co.uk  
 W. www.gardenersdream.co.uk

#### 1.4. Emergency telephone number

Emergency number : 0844 892 0111

Country	Organisation/Company	Address	Emergency number	Comment
	National Poisons Information Service (Birmingham Centre) City Hospital	Dudley Road B18 7QH Birmingham	0844 892 0111 (UK only)	

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Flammable liquids, Category 2 H225  
 Full text of H statements : see section 16

##### Classification according to Directive 67/548/EEC or 1999/45/EC

F; R11  
 Full text of R-phrases: see section 16

##### Adverse physicochemical, human health and environmental effects

Highly flammable liquid and vapour.

#### 2.2. Label elements

According to EC directives or the corresponding national regulations there is no labelling obligation for this product.

#### 2.3. Other hazards

No additional information available

### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

Not applicable

#### 3.2. Mixture

Name	Product identifier	%	Classification according to Directive 67/548/EEC	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Alkyl(C12-16)dimethylbenzylammonium chloride	(CAS No) 68424-85-1 (EC no) 270-325-2	1.2 - 4.8	Xn; R21/22 C; R34 N; R50	Not classified
ALCOHOL ETHOXYLATE WITH 9MEO	(CAS No) 68439-45-2	> 0.72	Xn; R22 Xi; R41	Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318

# GD Artificial Grass Cleaner (Cut Grass)

## Safety Data Sheet

Isopropanol	(CAS No) 67-63-0 (EC no) 200-661-7 (EC index no) 603-117-00-0 (REACH-no) 01-2119457558-25	0.036 - 0.285	F; R11 Xi; R36 R67	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336
-------------	--	---------------	--------------------------	---

Full text of R- and H-phrases: see section 16

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact	: Rinse skin with water/shower. Remove/Take off immediately all contaminated clothing.
First-aid measures after eye contact	: Rinse eyes with water as a precaution.

#### 4.2. Most important symptoms and effects, both acute and delayed

No additional information available

#### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

#### 5.2. Special hazards arising from the substance or mixture

Fire hazard	: Highly flammable liquid and vapour.
Hazardous decomposition products in case of fire	: Toxic fumes may be released.

#### 5.3. Advice for firefighters

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

##### 6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area. No open flames, no sparks, and no smoking.

##### 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 material for containment and cleaning up

Methods for cleaning up	: Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters.
Other information	: Dispose of materials or solid residues at an authorized site.

#### 6.4. Reference to other sections

For further information refer to section 13.

### 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. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapours may accumulate in the container. Use explosion-proof equipment. 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	: Ground/bond container and receiving equipment.
Storage conditions	: Store in a well-ventilated place. Keep cool. Keep container tightly closed.

#### 7.3. Specific end use(s)

No additional information available

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

Isopropanol (67-63-0)		
EU	IOELV TWA (mg/m <sup>3</sup> )	999 mg/m <sup>3</sup> (8 hours)

# GD Artificial Grass Cleaner (Cut Grass)

## Safety Data Sheet

Isopropanol (67-63-0)		
EU	IOELV TWA (ppm)	400 ppm (8 hours)
EU	IOELV STEL (mg/m <sup>3</sup> )	1250 mg/m <sup>3</sup> (15 mins)
EU	IOELV STEL (ppm)	500 ppm (15 mins)
Germany	TRGS 910 Acceptance concentration notes	

### 8.2. Exposure controls

#### Appropriate engineering controls:

Ensure good ventilation of the work station.

#### Hand protection:

Protective gloves

#### Eye protection:

Safety glasses

#### Skin and body protection:

Wear suitable protective clothing

#### Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

#### Environmental exposure controls:

Avoid release to the environment.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Light Green.
Colour	: Light Green.
Odour	: cut grass.
Odour threshold	: No data available
pH	: 5 - 9
Relative evaporation rate (butylacetate=1)	: No data available :
Melting point	Not applicable
Freezing point	: No data available :
Boiling point	100 °C
Flash point	: No data available :
Self ignition temperature	No data available :
Decomposition temperature	No data available :
Flammability (solid, gas)	Not applicable
Vapour pressure	: No data available :
Relative vapour density at 20 °C	No data available :
Relative density	No data available :
Density	1.01 g/l
Solubility	: Soluble.
Log Pow	: No data available :
Viscosity, kinematic	No data available :
Viscosity, dynamic	No data available :
Explosive properties	No data available :
Oxidising properties	No data available :
Explosive limits	No data available

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Highly flammable liquid and vapour.

### 10.2. Chemical stability

Stable under normal conditions.

# GD Artificial Grass Cleaner (Cut Grass)

## Safety Data Sheet

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

No additional information available

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified

Acute toxicity (dermal) : Not classified

Acute toxicity (inhalation) : Not classified

#### ALCOHOL ETHOXYLATE WITH 9MEO (68439-45-2)

LD50 oral rat	> 200 - 2000 mg/kg
---------------	--------------------

#### Isopropanol (67-63-0)

LD50 oral rat	4700 mg/kg
---------------	------------

LD50 oral	≥ 2000 mg/kg (rabbit)
-----------	-----------------------

LC50 inhalation rat (mg/l)	46.5 mg/l/4h
----------------------------	--------------

Skin corrosion/irritation : Not classified  
pH: 5 - 9

Serious eye damage/irritation : Not classified  
pH: 5 - 9

Respiratory or skin sensitisation : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

Specific target organ toxicity (single exposure) : Not classified

Specific target organ toxicity (repeated exposure) : Not classified

Aspiration hazard : Not classified

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

Aquatic acute : Not classified

Aquatic chronic : Not classified

#### Isopropanol (67-63-0)

LC50 fishes 1	≥ 100 mg/l (48 hours)
---------------	-----------------------

LC50 other aquatic organisms 2	≥ 100 mg/l (Algae, 72 hours)
--------------------------------	------------------------------

EC50 Daphnia 1	≥ 100 mg/l (48 hours)
----------------	-----------------------

### 12.2. Persistence and degradability

#### Isopropanol (67-63-0)

Persistence and degradability	Biodegradable.
-------------------------------	----------------

### 12.3. Bioaccumulative potential

#### Isopropanol (67-63-0)

Bioaccumulative potential	The product does not contain any substances expected to be bioaccumulating.
---------------------------	---

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

No additional information available

### 12.6. Other adverse effects

No additional information available

# GD Artificial Grass Cleaner (Cut Grass)

## Safety Data Sheet

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Additional information : Flammable vapours may accumulate in the container.

### SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA

#### 14.1. UN number

UN-No. (ADR) : Not regulated  
UN-No. (IMDG) : Not regulated  
UN-No.(IATA) : Not regulated  
UN-No.(ADN) : Not regulated  
UN-No. (RID) : Not regulated

#### 14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not regulated  
Proper Shipping Name (IMDG) : Not regulated  
Proper Shipping Name (IATA) : Not regulated  
Proper Shipping Name (ADN) : Not regulated  
Proper Shipping Name (RID) : Not regulated

#### 14.3. Transport hazard class(es)

##### ADR

Transport hazard class(es) (ADR) : Not regulated

##### IMDG

Transport hazard class(es) (IMDG) : Not regulated

##### IATA

Transport hazard class(es) (IATA) : Not regulated

##### ADN

Transport hazard class(es) (ADN) : Not regulated

##### RID

Transport hazard class(es) (RID) : Not regulated

#### 14.4. Packing group

Packing group (ADR) : Not regulated  
Packing group (IMDG) : Not regulated  
Packing group (IATA) : Not regulated  
Packing group (ADN) : Not regulated  
Packing group (RID) : Not regulated

#### 14.5. Environmental hazards

Dangerous for the environment : No  
Marine pollutant : No  
Other information : No supplementary information available

#### 14.6. Special precautions for user

##### Overland transport

Not regulated

##### Transport by sea

Not regulated

##### Air transport

Not regulated

##### Inland waterway transport

Not regulated

##### Rail transport

Not regulated

#### 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Not applicable

### SECTION 15: Regulatory information

#### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

##### 15.1.1. EU-Regulations

Authorisations and/or restrictions on use (Annex XVII):

# GD Artifical Grass Cleaner (Cut Grass)

## Safety Data Sheet

3(b) Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10	ALCOHOL ETHOXYLATE WITH 9MEO - Isopropanol
3(a) Hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8 types A and B, 2.9, 2.10, 2.12, 2.13 categories 1 and 2, 2.14 categories 1 and 2, 2.15 types A to F	GD Artifical Grass Cleaner (Various Scents) - Isopropanol
3. Liquid substances or mixtures which are regarded as dangerous in accordance with Directive 1999/45/EC or are fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008	GD Artifical Grass Cleaner (Various Scents) - ALCOHOL ETHOXYLATE WITH 9MEO - Isopropanol

Contains no REACH candidate substance

Contains no REACH Annex XIV substances.

Contains no substance subject to REGULATION (EU) No 649/2012 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 4 July 2012 concerning the export and import of hazardous chemicals.

Substance(s) are not subject to Regulation (EC) No 850/2004 of the European Parliament and of the Council of 29 April 2004 on persistent organic pollutants and amending Directive 79/117/EEC.

### 15.1.2. National regulations

No additional information available

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

Full text of R-, H- and EUH-phrases::	
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
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
H302	Harmful if swallowed
H318	Causes serious eye damage
H319	Causes serious eye irritation
H336	May cause drowsiness or dizziness
R11	Highly flammable
R21/22	Harmful in contact with skin and if swallowed
R22	Harmful if swallowed
R34	Causes burns
R36	Irritating to eyes
R41	Risk of serious damage to eyes
R50	Very toxic to aquatic organisms
R67	Vapours may cause drowsiness and dizziness
C	Corrosive
F	Highly flammable
N	Dangerous for the environment
Xi	Irritant
Xn	Harmful

SDS EU (REACH Annex II)

*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*