

## GP HydroSmart Wetting Agent 08650

SECT	TION 1: IDENTIFICA	TION OF THE SU	JBSTANCE/MIXT	URE A	ND OF THE COMPANY/UN	NDERTAKING	
1.1	Product identifier:		HydroSmart Wettin )8650	ig Agent			
1.2	Relevant identified u	-		nd uses	advised against:		
	Relevant uses: Surface	e Modifier. For prof	essional use only.				
	Uses advised against:	All uses not specifi	ed in this section or	in secti	on 7.3		
	1.3 Details o	of the supplier of '	the safety data sh	neet:	Advance Grass Solutions Ltd		
					Unit 5 Hogwood farm Ind. Es	state	
					Sheerlands Road		
					Finchampstead		
					RG40 4QY		
					+44 (0) 1183 914450 info@advancegrass.com		
					moeduvuneegrass.com		
1.4		telephone numbe	er: +44 (	(0) 7802	844234 (for Emergency ONL)	Y)	
SECT	TON 2: HAZARDS II	DENTIFICATION					
2.1	Classification of the	substance or mix	xture:				
	Directive 67/548/E	C and Directive 1	999/45/EC:				
	In accordance with	ı Directive 67/548/E	C and Directive 199	99/45/EC	c, the product is not classified	l as dangerous.	
	CLP Regulation (EC	) nº 1272/2008:					
	The product is not cla	ssified as dangerou	is according to CLP	Regulati	on (EC) nº 1272/2008.		
2.2	Label elements:						
	CLP Regulation (EC	) nº 1272/2008:					
	Hazard statements:						
	Non-applicable						
	Precautionary statements:						
	P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy						
	to do. Continue rinsing						
	Supplementary information:						
	EUH210: Safety data Other hazards:	sneet available on i	request				
2.3							
	Non-applicable						
SECT	TION 3: COMPOSITI	ON/INFORMATIO	ON ON INGREDIE	ENTS			
3.1	Substance:						
	Non-applicable						
3.2	Mixture:						
	Chemical description	on: Polymer/s	5				
	Components:						
		nex II of Regulatio			3), the product contains:		
	Identification		Chem	lical name	/Classification		Concentration
	CAS: 25322-69-4 EC: 500-039-8	Propane-1,2-diol, pro				Self-classified	
	Index: Non-applicable		Xn: R22	ing			
	REACH: 01-2119493630-37- XXXX		Acute Tox. 4: H302 - Warni	-		(!	>
			f the substances cor	nsult sec	tions 8, 11, 12, 15 and 16.		
SECT	TION 4: FIRST AID N	MEASURES					



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### 4.1 Description of first aid measures:

## SECTION 4: FIRST AID MEASURES (continued)

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product. **By inhalation:** 

This product does not contain substances classified as hazardous for inhalation, however, in case of symptoms of intoxication remove the person affected from the exposure area and provide with fresh air. Seek medical attention if the symptoms get worse or persist.

### By skin contact:

In case of contact it is recommended to clean the affected area thoroughly with water and neutral soap. In case of modifications on the skin (stinging, redness, rashes, blisters,...), seek medical advice with this Safety data Sheet **By eye contact:** 

This product does not contain substances classified as hazardous for eye contact. Rinse eyes thoroughly for at least 15 minutes with lukewarm water, ensuring that the person affected does not rub or close their eyes. **By ingestion/aspiration**:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

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

Acute and delayed effects are indicated in sections 2 and 11.

**4.3 Indication of any immediate medical attention and special treatment needed:** Non-applicable

### SECTION 5: FIREFIGHTING MEASURES

### 5.1 Extinguishing media:

Product is non-flammable under normal conditions of storage, manipulation and use. In the case of inflammation as a result of improper manipulation, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems. IT IS NOT RECOMMENDED to use tap water as an extinguishing agent.

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

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

### 5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and individual respiratory equipment.

Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

### Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Destroy any source of ignition. In case of fire, refrigerate the storage containers and tanks for products susceptible to inflammation, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

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### 6.1 Personal precautions, protective equipment and emergency procedures:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

### 6.2 Environmental precautions:

This product is not classified as hazardous to the environment. Keep product away from drains, surface and underground water.

### 6.3 Methods and material for containment and cleaning up: It is

recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

### 6.4 Reference to other sections:

SECTION 6: ACCIDENTAL RELEASE MEASURES (continued)

See sections 8 and 13.

## SECTION 7: HANDLING AND STORAGE

## 7.1 Precautions for safe handling: A.-

Precautions for safe manipulation

Comply with the current legislation concerning the prevention of industrial risks. Keep containers hermetically sealed. Control spills and residues, destroying them with safe methods (section 6). Avoid leakages from the container. Maintain order and cleanliness where dangerous products are used.

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, manipulation and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations to prevent ergonomic and toxicological risks

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

It is recommended to have absorbent material available at close proximity to the product (See subsection 6.3)

### 7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.:0 °CMaximum Temp.:40 °CMaximum time:24 Months

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

### 7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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#### 8.1 **Control parameters:**

Substances whose occupational exposure limits have to be monitored in the work environment (EH40/2005 Workplace exposure limits):

There are no environmental limits for the substances contained in the product **DNEL** (Workers):

	]]	Short exposure		Long exposure	
Identification		Systemic	Local	Systemic	Local
Propane-1,2-diol, propoxylated	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 25322-69-4	Dermal	Non-applicable	Non-applicable	84 mg/kg	Non-applicable
EC: 500-039-8	Inhalation	Non-applicable	Non-applicable	Non-applicable	10 mg/m <sup>3</sup>
ONEL (General population):	•	•	•	•	•
		Short exposure		Long exposure	
Identification		Systemic	Local	Systemic	Local
Propane-1,2-diol, propoxylated	Oral	Non-applicable	Non-applicable	24 mg/kg	Non-applicable
CAS: 25322-69-4	Dermal	Non-applicable	Non-applicable	51 mg/kg	Non-applicable
EC: 500-039-8	Inhalation	Non-applicable	Non-applicable	Non-applicable	10 mg/m <sup>3</sup>

### PNEC:

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

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Identification				
Propane-1,2-diol, propoxylated	STP	100 mg/L	Fresh water	0.1 mg/L
CAS: 25322-69-4	Soil	0.109 mg/kg	Marine water	0.01 mg/L
EC: 500-039-8	Intermittent	1 mg/L	Sediment (Fresh water)	0.765 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0.0765 mg/kg

### 8.2 Exposure controls:

A.- General security and hygiene measures in the work place

As a preventative measure it is recommended to use basic Personal Protection Equipment, with the corresponding <<CE marking>> in accordance with Directive 89/686/EC. For more information on Personal Protection Equipment (storage, use, cleaning, maintenance, class of protection,...) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1.

All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

### B.- Respiratory protection

The use of protection equipment will be necessary if a mist forms or if the professional exposure limits are exceeded.

C.- Specific protection for the hands Non-

applicable

D.- Ocular and facial protection Non-

applicable

- E.- Bodily protection Non
  - applicable
- F.- Additional emergency measures

It is not necessary to take additional emergency measures.

### **Environmental exposure controls:**

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D **Volatile organic compounds:** 

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	0.05 % weight
V.O.C. density at 20 °C:	0.52 kg/m <sup>3</sup> (0.52 g/L)

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Average carbon number:

Average molecular weight: 148.2 g/mol

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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

For complete information see the product datasheet.

## Appearance:

Physical state at 20 °C:	Liquid			
Appearance:	Characteristic			
Colour:	Blue			
Odour:	Characteristic			
Volatility:				
Boiling point at atmospheric pressure:	188 °C			
Vapour pressure at 20 °C:	Non-applicable *			
Vapour pressure at 50 °C:	Non-applicable *			
Evaporation rate at 20 °C:	Non-applicable *			
*Not relevant due to the nature of the product, not providing information property of its hazards.				

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SECTI	ON 9: PHYSICAL AND C	HEMICAL PROPERTIE	S (continued)					
	Product description:							
Density at 20 °C: 1030 - 1050 kg/m <sup>3</sup>								
Relative density at 20 °C:			1.03 - 1.05					
I	Dynamic viscosity at 20 °C: Non-applicable * Kinematic viscosity at 20 °C:							
	Non-applicable *							
k	Kinematic viscosity at 40 °C:		Non-applicable *					
(	Concentration:		Non-applicable *					
I	pH:		6 - 8 to 1 %					
١	Vapour density at 20 °C:		Non-applicable *					
Partition coefficient n-octanol/water 20 °C: Non-applicable *								
5	Solubility in water at 20 °C:		Non-applicable *					
9	Solubility properties:		Completely miscible					
[	Decomposition temperature:		Non-applicable *					
Ν	Melting point/freezing point:		Non-applicable *					
I	Flammability:							
F	Flash Point:		Non Flammable (>60 °C	)				
A	Autoignition temperature:		270 °C					
L	ower flammability limit:		Non-applicable *					
ι	Jpper flammability limit:		Non-applicable *					
9.2 (	Other information:							
5	Surface tension at 20 °C:		Non-applicable *					
F	Refraction index:		Non-applicable *					
	*Not relevant due to the nature of the product, not providing information property of its hazards.							
SECTI	ON 10: STABILITY AND	REACTIVITY						
10.1 I	Reactivity:							
I	No hazardous reactions are	expected because the pro	oduct is stable under reco	mmended storage condit	ions. See section 7.			
10.2 (	Chemical stability:							
(	Chemically stable under the	conditions of storage, ha	ndling and use.					
10.3 F	Possibility of hazardous r	eactions:						
I	Under the specified conditio	ns, hazardous reactions th	hat lead to excessive temp	peratures or pressure are	not expected.			
10.4 0	Conditions to avoid:							
1	Applicable for handling and	storage at room temperat	ture:					
	Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity			
10.5	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable			
	Incompatible material	s:	]					
10.6	Acids	Water	Combustive materials	Combustible materials	Others			
	Not applicable	Not applicable	Not applicable	Not applicable	Avoid alkalis or strong bases			
See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO2), carbon monoxide and other organic compounds. SECTION 11: TOXICOLOGICAL INFORMATION								



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## SECTION 11: TOXICOLOGICAL INFORMATION (continued)

### 11.1 Information on toxicological effects:

The experimental information related to the toxicological properties of the product itself is not available

### Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than recommended by the occupational exposure limits, it may result in adverse effects on health depending on the means of exposure: A.- Ingestion:

- Acute toxicity: Based on available data, the classification criteria are not met, however, it contains substances classified asdangerous for consumption. For more information see section 3.

- Corrosivity/Irritability: Based on available data, the classification criteria are not met, as it does not contain substancesclassified as dangerous for this effect. For more information see section 3. B- Inhalation:

- Acute toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified asdangerous for inhalation. For more information see section 3.

- Corrosivity/Irritability: Based on available data, the classification criteria are not met, as it does not contain substancesclassified as dangerous for this effect. For more information see section 3. C- Contact with the skin and the eyes:

- Contact with the skin: Based on available data, the classification criteria are not met, as it does not contain substancesclassified as dangerous for skin contact. For more information see section 3.

- Contact with the eyes: Based on available data, the classification criteria are not met, as it does not contain substancesclassified as dangerous for this effect. For more information see section 3. D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classifiedas dangerous for the effects mentioned. For more information see section 3.

- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified asdangerous for this effect. For more information see section 3.

- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substancesclassified as dangerous for this effect. For more information see section 3. E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified asdangerous with sensitising effects. For more information see section 3.

- Cutaneous: Based on available data, the classification criteria are not met, as it does not contain substances classified asdangerous for this effect. For more information see section 3. F- Specific target organ toxicity (STOT)-time exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met, asit does not contain substances classified as dangerous for this effect. For more information see section 3.

- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified asdangerous for this effect. For more information see section 3. H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3. **Other information:** Non-applicable

### Specific toxicology information on the substances:

Identification	Acu æ toxicity		Genus	
Propane-1,2-diol, propoxylated	LD50 oral	1000 mg/kg	Rat	
CAS: 25322-69-4 EC: 500-039-8	LD50 dermal	>2000 mg/kg		
	LC50 inhalation	Non-applicable		

## SECTION 12: ECOLOGICAL INFORMATION



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The experimental information related to the eco-toxicological properties of the product itself is not available

## SECTION 12: ECOLOGICAL INFORMATION (continued)

### 12.1 Toxicity:

Not available

- 12.2 Persistence and degradability: Not available
- **12.3 Bioaccumulative potential:**

Not available

- 12.4 Mobility in soil: Not available
- 12.5 Results of PBT and vPvB assessment: Non-applicable

### **12.6 Other adverse effects:**

Not described

## SECTION 13: DISPOSAL CONSIDERATIONS

### **13.1 Waste treatment methods:**

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Non dangerous

### Type of waste (Regulation (EU) No 1357/2014):

Non-applicable

### Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC, The Waste Regulations 2011, 2011 No. 988). As under 15 01 (2014/955/EU) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. We do not recommended disposal down the drain. See paragraph

### 6.2. Regulations related to waste management:

In accordance with Annex II of Regulation (EC) nº1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

### SECTION 14: TRANSPORT INFORMATION



## GP HydroSmart Wetting Agent 08650

### **Transport of dangerous goods by land:** With regard to ADR 2015 and RID 2015:

viul legalu to ADR 2015 allu RID 2015.					
14.1 UN number:	Non-applicable				
14.2 UN proper shipping name:	Non-applicable				
14.3 Transport hazard class(es):	Non-applicable				
Labels:	Non-applicable				
14.4 Packing group:	Non-applicable				
14.5 Dangerous for the No environment:					
14.6 Special precautions for user					
Special regulations:	Non-applicable				
Tunnel restriction code:	Non-applicable				
Physico-Chemical properties:	see section 9				
Limited quantities:	Non-applicable				
14.7 Transport in bulk according Non-					
applicable to Annex II of Marpol and the					
IBC Code:					

## SECTION 14: TRANSPORT INFORMATION (continued)

### Transport of dangerous goods by sea:

With regard to IMDG 37-14:

14.1 UN number:	Non-applicable				
14.2 UN proper shipping name:	Non-applicable				
14.3 Transport hazard class(es):	Non-applicable				
Labels:	Non-applicable				
14.4 Packing group:	Non-applicable				
14.5 Dangerous for the No environ	ment:				
14.6 Special precautions for user					
Special regulations: Non-applica	ble EmS Codes:				
Physico-Chemical properties:	see section 9				
Limited quantities:	Non-applicable				
14.7 Transport in bulk according applicable to Annex II of Mar IBC Code:	Non- pol and the				
Transport of dangerous goods by air:					
With regard to IATA/ICAO 2015:					
14.1 UN number:	Non-applicable				
14.2 UN proper shipping name:	Non-applicable				
14.3 Transport hazard class(es):	Non-applicable				
Labels:	Non-applicable				
14.4 Packing group:	Non-applicable				
14.5 Dangerous for the No environment:					
14.6 Special precautions for user					
Physico-Chemical properties:	see section 9				
14.7 Transport in bulk according	Non-				
applicable to Annex II of Mar IBC Code:	pol and the				

## SECTION 15: REGULATORY INFORMATION



## GP HydroSmart Wetting Agent 08650

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

Candidate substances for authorisation under the Regulation (EC) 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII, REACH):

Non-applicable

### Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as data used in a risk evaluation of the local circumstances in order to establish the necessary risk prevention measures for the manipulation, use, storage and disposal of this product.

Other legislation:



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## SECTION 15: REGULATORY INFORMATION (continued)

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009, 2009 No. 716 The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009 (CDG 2009), SI 2009 No 1348 The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment (Amendment) Regulations 2011, 2011 No. 1885 Control of Substances Hazardous to Health Regulations 2002 (as amended) EH40/2005 Workplace exposure limits The Waste Regulations 2011, 2011 No. 988 15.2 Chemical safety assessment: The supplier has not carried out evaluation of chemical safety. SECTION 16: OTHER INFORMATION Legislation related to safety data sheets: This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) Nº 1907/2006 (Regulation (EU) Nº 453/2010, Regulation (EC) Nº 2015/830) Modifications related to the previous security card which concerns the ways of managing risks. : Non-applicable Texts of the legislative phrases mentioned in section 3: The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3 Directive 67/548/EC and Directive 1999/45/EC: R22: Harmful if swallowed CLP Regulation (EC) nº 1272/2008: Acute Tox. 4: H302 - Harmful if swallowed Classification procedure: Non-applicable Advice related to training: Minimal training is recommended to prevent industrial risks for staff using this product, in order to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product. Principal bibliographical sources: http://esis.jrc.ec.europa.eu http://echa.europa.eu http://eur-lex.europa.eu Abbreviations and acronyms: ADR: European agreement concerning the international carriage of dangerous goods by road IMDG: International maritime dangerous goods code IATA: International Air Transport Association ICAO: International Civil Aviation Organisation COD: Chemical Oxygen Demand BOD5: 5-day biochemical oxygen demand BCF: Bioconcentration factor LD50: Lethal Dose 50 CL50: Lethal Concentration 50 EC50: Effective concentration 50 Log-POW: Octanol-water partition coefficient Koc: Partition coefficient of organic carbon The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified

- END OF SAFETY DATA SHEET -