



# SAFETY DATA SHEET

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH) Annex II

## Blanco

Revision Date 05-Jan-2021

Version 2

Product No HRB00898-44

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MAC 02210 H AG-C2-360 CS1\*\*\* 9502233\*\*\*

## Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1. Product identifier

#### Blanco

Pure substance/mixture Mixture

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

Recommended Use Herbicide; Professional use\*\*\*  
Uses advised against No information available

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

Supplier Address ADAMA Agricultural Solutions UK Ltd  
Third Floor East  
1410 Arlington Business Park  
Theale  
READING  
RG7 4SA  
Tel: 01635 860555  
Fax: 01635 861555

For further information, please contact

Email address ukenquiries@adama.com

### 1.4. Emergency telephone number

Emergency Telephone National Chemical Emergency Centre (UK):  
Tel: 01865 407333 (24 hours)

## Section 2: HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

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

Hazardous to the Aquatic Environment - Chronic Hazard Category 1\*\*\* - (H410)\*\*\*

### 2.2. Label elements

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

## Hazard pictograms



<b>Signal word</b>	Warning***
<b>Hazard Statements</b>	H410 - Very toxic to aquatic life with long lasting effects***
<b>Precautionary Statements</b>	P102 - Keep out of reach of children P501 - Dispose of contents/ container to an approved waste disposal plant
<b>EU Specific Hazard Statements</b>	EUH401 - To avoid risks to human health and the environment, comply with the instructions for use
<b>Additional phrases for PPP</b>	SP1 - Do not contaminate water with the product or its container (Do not clean application equipment near surface water/Avoid contamination via drains from farmyards and roads).

2.3. Other hazards

No information available

### Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixture\*\*\*

Chemical Name	Weight-%	CAS No	EC No	Index No	Classification according to Regulation (EC) No. 1272/2008 [CLP]	M-Factor	REACH Registration Number
Clomazone	29-32	81777-89-1	617-258-0***	-	Acute Tox. 4 (H302) Acute Tox. 4 (H332) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)***	M=1 M=1***	-
Calcium ammonium nitrate***	11 - 14	15245-12-2	239-289-5	-	Acute Tox. 4 (H302) Eye Dam. 1 (H318)***		-

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

### Section 4: FIRST AID MEASURES

4.1. Description of first aid measures

<b>General advice</b>	In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). First aider: Pay attention to self-protection!.
<b>Inhalation</b>	Remove to fresh air. If breathing is irregular or stopped, administer artificial respiration. Call a physician.
<b>Skin Contact</b>	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Consult a physician if necessary.
<b>Eye contact</b>	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. If symptoms persist, call a physician.

**Ingestion** Rinse mouth. Drink plenty of water. If symptoms persist, call a physician.

**Self-protection of the first aider** Use personal protective equipment as required.

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

**Symptoms** None known.

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

**Note to physicians** Treat symptomatically.

**Section 5: FIRE-FIGHTING MEASURES**

**5.1. Extinguishing media**

**Suitable Extinguishing Media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable Extinguishing Media**

No information available.

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

No specific hazard known.

**5.3. Advice for firefighters**

In the event of fire, wear self-contained breathing apparatus

In the event of fire and/or explosion do not breathe fumes.

**Section 6: ACCIDENTAL RELEASE MEASURES**

**6.1. Personal precautions, protective equipment and emergency procedures**

**Personal precautions**

Use only with adequate ventilation.

**For emergency responders**

Use personal protection recommended in Section 8.

**6.2. Environmental precautions**

Prevent further leakage or spillage if safe to do so.

**6.3. Methods and material for containment and cleaning up**

Take up mechanically, placing in appropriate containers for disposal.

**6.4. Reference to other sections**

**Other Information**

See also section 8,13

**Section 7: HANDLING AND STORAGE**

**7.1. Precautions for safe handling**

**Advice on safe handling**

Use personal protective equipment as required. Avoid contact with skin, eyes or clothing. Wash contaminated clothing before reuse. Do not breathe dust/fume/gas/mist/vapors/spray. Do not eat, drink or smoke when using this product.

**General Hygiene Considerations**

When using do not eat, drink or smoke. Wash contaminated clothing before reuse.

**7.2. Conditions for safe storage, including any incompatibilities**

Keep container tightly closed in a dry and well-ventilated place. Keep out of the reach of children.

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

**Risk Management Methods (RMM)**

The information required is contained in this Material Safety Data Sheet.

**Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

**8.1. Control parameters**

**8.2. Exposure controls**

<b>Engineering Controls</b>	Ensure adequate ventilation, especially in confined areas.
<b>Personal protective equipment</b>	
<b>Eye/face protection</b>	Tight sealing safety goggles.
<b>Hand Protection</b>	Suitable chemical resistant gloves (EN 374) also with prolonged, direct contact (recommendation: protection index 6, corresponding > 480 minutes Permeability time (permeation) according to EN 374): e.g. nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), butyl rubber (0.7 mm).
<b>Body Protection</b>	Use suitable protective clothing and equipment if required, such as safety goggles certified to EN 166, gloves certified to EN 374, protective boots certified to EN 13832, and/or a water repellent woven coverall with 65% polyester and 35 % cotton.
<b>Respiratory protection</b>	In case of insufficient ventilation, wear suitable respiratory equipment.
<b>General Hygiene Considerations</b>	When using do not eat, drink or smoke. Wash contaminated clothing before reuse.
<b>Environmental exposure controls</b>	Do not allow into any sewer, on the ground or into any body of water.

**Section 9: PHYSICAL AND CHEMICAL PROPERTIES**

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

<u>Property</u>	<u>Values</u>	<u>Method</u>	<u>Remarks</u>
<b>Appearance</b>			
<b>Physical state</b>	: liquid		
<b>Color</b>	: light brown		
<b>Odor</b>	: Faint		
<b>Odor threshold</b>	: No data available		
<b>pH</b>	: 7 - 9	CIPAC MT 75.3	solution (1%)
<b>Melting point/freezing point °C</b>	: ----		Not Applicable
<b>Boiling point/boiling range °C</b>	: No data available		
<b>Flash point °C</b>	: No data available		
<b>Evaporation rate</b>	: Not Applicable		
<b>Flammability (solid, gas)</b>	: Not Applicable		
<b>Upper/lower flammability or</b>			

<b>explosive limits</b>	:	No data available		
<b>Vapor pressure</b> kPa	:	----		Not Applicable
<b>Vapor density</b>	:	No data available		
<b>Relative density</b>	:	1.14 - 1.24***	CIPAC MT 3.3	g/ml
<b>Solubility(ies)</b> mg/l	:	----		Not Applicable
<b>Partition Coefficient</b>	:			See Section 12 for more information
<b>(n-octanol/water) Log Pow</b>	:			
<b>Autoignition temperature</b> °C	:	365	EEC A.15	
<b>Decomposition temperature</b> °C	:	No data available		
<b>Kinematic viscosity</b> mm <sup>2</sup> /s 40 °C	:	1650		
<b>Explosive properties</b>	:	Not an explosive	EEC A.14	
<b>Oxidizing properties</b>	:	Not oxidizing	EEC A.21	

**9.2. Other information**

<b>Bulk density</b> g/ml	:	----		Not Applicable
<b>Surface tension</b> mN/m 25°C	:	62.6		25°C

**Section 10: STABILITY AND REACTIVITY**

**10.1. Reactivity**

No data available.

**10.2. Chemical stability**

Stable under normal conditions.

**10.3. Possibility of hazardous reactions**

None under normal processing.

**10.4. Conditions to avoid**

Heat, flames and sparks.

**10.5. Incompatible materials**

No information available

**10.6. Hazardous decomposition products**

None under normal use conditions.

**Section 11: TOXICOLOGY INFORMATION**

**11.1. Information on toxicological effects**

**Acute toxicity**

	<u>Values</u>	<u>Species</u>	<u>Method</u>	<u>Remarks</u>
<b>Oral LD50</b> mg/kg	: > 2000	Rat	OECD 423	
<b>Dermal LD50</b> mg/kg	: > 2000	Rat	OECD 402	
<b>Inhalation LC50</b> mg/l/4h	: > 1.8	Rat	OECD 403	Maximum attainable concentration
<b>Skin corrosion/irritation</b>	: Non-irritating to the skin	Rabbit	OECD 404	
<b>Serious eye damage/eye irritation</b>	: Not irritating to eyes	Rabbit	OECD 405	
<b>Respiratory/skin sensitization</b>	: Not a skin sensitizer	Mouse	OECD 429	

**Chronic toxicity**

**Germ cell mutagenicity**

**Chemical Name**

Clomazone : Not classified\*\*\*

**Carcinogenicity**

**Chemical Name**

Clomazone : Not Carcinogenic

**Reproductive toxicity**

**Chemical Name**

Clomazone : Not toxic for the reproductive system

**STOT - single exposure**

**Chemical Name**

Clomazone : Not classified\*\*\*

**STOT - repeated exposure**

**Chemical Name**

Clomazone : Not classified\*\*\*

**Aspiration hazard**

**Chemical Name**

Clomazone : Not classified\*\*\*

**Section 12: ECOLOGICAL INFORMATION**

**12.1. Toxicity**

**Aquatic toxicity**

<b>Acute toxicity</b>	<b>Values</b>	<b>Species</b>	<b>Method</b>	<b>Remarks</b>
Fish 96-hour LC50 mg/l	: > 100	Oncorhynchus mykiss	OECD 203	
Crustacea 48-hour EC50 mg/l	: > 100	Daphnia magna	OECD 202	
Algae 72-hour EC50 mg/l	: > 100	N. pelliculosa	OECD 201	
Other plants EC50 mg/l	: 75.6	Lemna minor	OECD 221	7 days

<b>Chronic aquatic toxicity</b>	<b>Values</b>	<b>Species</b>	<b>Method</b>	<b>Remarks</b>
Fish NOEC mg/l	: No data available			
Crustacea NOEC mg/l	: No data available			
Algae NOEC mg/l	: No data available			
Other plants NOEC mg/l	: No data available			

**Terrestrial Toxicity**

**Birds Oral LD50 mg/kg**

**Chemical Name**

Clomazone : 2000 Japanese quail EPA-OPPTS 850.2100

**Bees Oral LD50 µg/bee**

**Chemical Name**

Clomazone : 91 OECD 213, OECD 214

**12.2. Persistence and degradability**

<b>Abiotic Degradation</b>	<b>Values</b>	<b>Method</b>	<b>Remarks</b>
Water DT50 days			
Chemical Name			
Clomazone	: 66.9		

**Soil DT50 days**

**Chemical Name**  
 Clomazone : 62.9 - 130.8 SETAC 1995 20 °C

**Biodegradation**

**Chemical Name**  
 Clomazone : Not readily biodegradable OECD 301 F

**12.3. Bioaccumulative potential**

**Partition Coefficient (n-octanol/water) Log Pow**

**Chemical Name**  
 Clomazone : 2.49 OECD 107 pH 7, 32 °C

**Bioconcentration factor (BCF)**

**Chemical Name**  
 Clomazone : ---- Low

**12.4. Mobility in soil**

Adsorption/Desorption	Values	Method	Remarks
<b>Chemical Name</b> Clomazone	: 72.6 - 155	OECD 106	KOC

**12.5. Results of PBT and vPvB assessment**

The components in this formulation do not meet the criteria for classification as PBT or vPvB

**12.6. Other adverse effects**

No information available.

**Section 13: DISPOSAL CONSIDERATIONS**

**13.1. Waste treatment methods**

<b>Waste from residues/unused products</b>	Disposal should be in accordance with applicable regional, national and local laws and regulations.
<b>Contaminated packaging</b>	Improper disposal or reuse of this container may be dangerous and illegal.
<b>Other Information</b>	Waste codes should be assigned by the user based on the application for which the product was used.

**Section 14: TRANSPORTATION INFORMATION**

**IMDG/IMO**

<b>14.1 UN/ID No *</b>	UN3082***
<b>14.2 Proper shipping name</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.*** ( Clomazone*** )
<b>14.3 Hazard Class</b>	9***
<b>14.4 Packing Group</b>	III***
<b>14.5 Marine pollutant</b>	Yes***
<b>14.6 Special precautions for user</b>	

**RID/ADR**

<b>14.1 UN/ID No *</b>	UN3082***
<b>14.2 Proper shipping name</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.*** ( Clomazone*** )

14.3 Hazard Class )  
 9\*\*\*  
 14.4 Packing Group III\*\*\*  
 14.5 Environmental hazard Yes\*\*\*  
 14.6 Special precautions for user  
 14.7 Tunnel restriction code -

**ICAO/IATA**

14.1 UN/ID No \* UN3082\*\*\*  
 14.2 Proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.\*\*\* ( Clomazone\*\*\* )  
 14.3 Hazard Class 9\*\*\*  
 14.4 Packing Group III\*\*\*  
 14.5 Environmental hazard Yes\*\*\*  
 14.6 Special precautions for user  
 14.7 Transport in bulk according to Not Applicable  
 Annex II of MARPOL 73/78 and the IBC Code



\* Note: UN3077 & UN3082 – These products may be transported as non-dangerous goods under the special provisions of IMDG Code 2.10.2.7; ADR SP375 and ICAO/IATA A197 when packed in single or inner packaging of up to 5L for liquids or 5 kg or less for solids.

**Section 15: REGULATORY INFORMATION**

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

Trade name	Registration number	Registration date
Not Applicable	Not Applicable	Not Applicable

**15.2. Chemical safety assessment**

A chemical safety assessment according to regulation (EC) No. 1907/2006 is not required. A risk assessment was performed according to directive (EC) No. 91/414 or according to regulation (EC) No. 1107/2009.

**Section 16: OTHER INFORMATION**

**Full text of H-Statements referred to under sections 2 and 3**

H302 - Harmful if swallowed  
 H317 - May cause an allergic skin reaction  
 H412 - Harmful to aquatic life with long lasting effects\*\*\*

**List of Acronyms**

ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road  
 ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways  
 CAS Number - Chemical Abstracts Service number  
 EC Number - EINECS and ELINCS Number  
 EINECS - European Inventory of Existing Commercial Substances  
 ELINCS - European List of notified Chemical Substances  
 IATA - International Air Transport Association  
 ICAO-TI - Technical Instructions for the Safe Transport of Dangerous Goods by Air



IMDG - International Maritime Dangerous Goods  
LC50 - Lethal Concentration to 50 % of a test population  
LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose)  
OECD - Organization for Economic Co-operation and Development  
PBT - Persistent, Bioaccumulative and Toxic substance  
RID - Regulations concerning the International Carriage of Dangerous Goods by Rail  
STOT - Specific Target Organ Toxicity  
vPvB - Very Persistent and Very Bioaccumulative

**This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006**

**Revision Note** Changes made to the last version are labeled with this sign \*\*\*.

**Process of classification evaluation in accordance with CLP regulation.**

**Classification of the mixture**

H410 - Very toxic to aquatic life with long lasting effects\*\*\*

**Classification procedure**

Classification based on Calculation method\*\*\*

**Disclaimer**

**The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.**

**End of Safety Data Sheet**