



# SAFETY DATA SHEET

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

## Crawler

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Version 2

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

### 1.1. Product identifier

#### Crawler

Synonyms

Carbetamide 60 WG

Pure substance/mixture

Mixture

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

Recommended Use

Herbicide

Uses advised against

No information available

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

Supplier Address

ADAMA Agricultural Solutions UK Ltd  
Unit 15, Thatcham Buisness Village Colthrop Way,  
Thatcham Berkshire RG19 4LW, UK : 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: HAZARD IDENTIFICATION

### 2.1 Classification of the substance or mixture

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

Serious eye damage/eye irritation Category 2 - (H319)

Reproductive Toxicity Category 2 - (H361d)

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

Full text of R-phrases: see section 16

Repr. Cat. 3; R63 - N; R51-53

### 2.2. Label elements

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

## Hazard pictograms



## Signal word

Warning

## Hazard Statements

H319 - Causes serious eye irritation  
 H361d - Suspected of damaging the unborn child

## Precautionary Statements

P102 - Keep out of reach of children  
 P201 - Obtain special instructions before use  
 P280 - Wear protective gloves/protective clothing/eye protection/face protection  
 P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
 P501 - Dispose of contents/ container to an approved waste disposal plant

## EU Specific Hazard Statements

EUH401 - To avoid risks to human health and the environment, comply with the instructions for use

## Additional phrases for PPP

SP1 - Do not contaminate water with the product or its container

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]	Classification according to 67/548/EEC	M-Factor	REACH Registration Number
Carbetamide	57-63	16118-49-3	240-286-6	-	Repr. 2 (H361d) Aquatic Chronic 3 (H412)	Repr. Cat. 3; R63 R52-53		-
Silicic acid, calcium salt	2-3	1344-95-2	215-710-8	-	Eye Irrit. 2 (H319) STOT SE 3 (H335)	Xi; R36/37		-
Sodium diisopropyl naphthalene sulfonate	2-3	1322-93-6	215-343-3	-	Acute Tox. 4 (H302) Acute Tox. 4 (H332) Eye Irrit. 2 (H319) STOT SE 3 (H335)	Xn; R20/22 Xi; R36/37		-

Full text of R-phrases: see section 16

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

### Section 4: FIRST AID MEASURES

4.1. Description of first aid measures

## General advice

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!.

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<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.
<b>Ingestion</b>	Rinse mouth. Drink plenty of water. If symptoms persist, call a physician.
<b>Self-protection of the first aider</b>	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 entry into waterways, sewers, basements or confined areas. Do not flush into surface water or sanitary sewer system.

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

##### **Methods for 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**

Avoid contact with skin, eyes or clothing. Use personal protective equipment as required. 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**

Handle in accordance with good industrial hygiene and safety practice.

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

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**

Chemical Name	European Union	United Kingdom	France	Spain	Germany
Silicic acid, calcium salt 1344-95-2		STEL: 30 mg/m <sup>3</sup> STEL: 12 mg/m <sup>3</sup> TWA: 10 mg/m <sup>3</sup> TWA: 4 mg/m <sup>3</sup>		TWA: 10 mg/m <sup>3</sup>	
Chemical Name	Italy	Portugal	Netherlands	Finland	Denmark
Silicic acid, calcium salt 1344-95-2		TWA: 10 mg/m <sup>3</sup>			
Chemical Name	Austria	Switzerland	Poland	Norway	Ireland
Silicic acid, calcium salt 1344-95-2		TWA: 3 mg/m <sup>3</sup>			TWA: 10 mg/m <sup>3</sup> TWA: 4 mg/m <sup>3</sup>

**8.2. Exposure controls****Engineering Controls**

Ensure adequate ventilation, especially in confined areas.

**Personal protective equipment****Eye/face protection**

Tight sealing safety goggles.

**Body Protection**

Suitable protective clothing.

**General Hygiene Considerations**

Handle in accordance with good industrial hygiene and safety practice.

**Environmental exposure controls**

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>			
Physical state	: Solid		
Color	: brown		
Odor	: characteristic Odor		
Odor threshold	: No data available		
pH	: 8.9 - 9.9	CIPAC MT 75.3	solution (1 %)
Melting point/freezing point °C	: No data available		
Boiling point/boiling range °C	: No data available		
Flash point °C	: No data available		
Evaporation rate	: Not Applicable		
Flammability (solid, gas)	: Not classified	EEC A.10	
Upper/lower flammability or explosive limits	: No data available		
Vapor pressure kPa	: No data available		
Vapor density	: No data available		
Relative density	: No data available		
Solubility(ies) mg/l	: No data available		
Partition Coefficient (n-octanol/water) Log Pow	:		See Section 12 for more information
Autoignition temperature °C	: 235	EEC A.16	
Decomposition temperature °C	: No data available		
Kinematic viscosity mm <sup>2</sup> /s 40 °C	: Not Applicable		
Explosive properties	: Not an explosive	EEC A.14	
Oxidizing properties	: No data available	EEC A.17	
<b>9.2. Other information</b>			
Bulk density g/ml	: 0.544	CIPAC MT 186	
Surface tension mN/m	: Not Applicable		

## 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>
Oral LD50 mg/kg	: > 2000	Rat	OECD 423	
Dermal LD50 mg/kg	: > 2000	Rat	OECD 402	
Inhalation LC50 mg/l/4h	:			Not available
Skin corrosion/irritation	: Mild skin irritant	Rabbit	OECD 404	
Serious eye damage/eye irritation	: Irritating to eyes	Rabbit	OECD 405	
Respiratory/skin sensitization	: Not a skin sensitizer	Guinea pig	OECD 406	

**Chronic toxicity****Germ cell mutagenicity**

Chemical Name  
Carbetamide : Not classified

**Carcinogenicity**

Chemical Name  
Carbetamide : Not classified

**Reproductive toxicity**

Chemical Name  
Carbetamide : H361d - Suspected of damaging the unborn child

**STOT - single exposure**

Chemical Name  
Carbetamide : No information available

**STOT - repeated exposure**

Chemical Name  
Carbetamide : No information available

**Aspiration hazard**

Chemical Name  
Carbetamide : No information available

**Section 12: ECOLOGICAL INFORMATION****12.1. Toxicity****Aquatic toxicity**

	<u>Values</u>	<u>Species</u>	<u>Method</u>	<u>Remarks</u>
Acute toxicity				
Fish 96-hour LC50 mg/l	: 5.7	Rainbow trout	OECD 203	
Crustacea 48-hour EC50 mg/l	: > 100	Daphnia magna		
Algae 72-hour EC50 mg/l	: 99	Navicula pelliculosa	OECD 201	
Other plants EC50 mg/l	:			No data available

**Terrestrial Toxicity**

Birds Oral LD50 mg/kg  
Chemical Name  
Carbetamide : > 1044 : OECD 205

**Bees Oral LD50 µg/bee**

Chemical Name  
Carbetamide : > 63.22 : OECD 213; OECD 214

**12.2. Persistence and degradability**

	<u>Values</u>	<u>Method</u>	<u>Remarks</u>
Abiotic Degradation			
Water DT50 days			

**Chemical Name**

Carbetamide : 58.8

**Soil DT50 days****Chemical Name**

Carbetamide : 12.5

**Biodegradation****Chemical Name**

Carbetamide : Not readily biodegradable

**12.3. Bioaccumulative potential****Partition Coefficient  
(n-octanol/water) Log Pow  
Chemical Name**

	<u>Values</u>	<u>Method</u>	<u>Remarks</u>
Carbetamide	: 1.78	OECD 107	pH 7, 20 ° C

**Bioconcentration factor (BCF)****Chemical Name**

Carbetamide : Not available

**12.4. Mobility in soil****Adsorption/Desorption  
Chemical Name**

	<u>Values</u>	<u>Method</u>	<u>Remarks</u>
Carbetamide	: 88.6		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****Waste from residues/unused products**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated packaging**

Improper disposal or reuse of this container may be dangerous and illegal.

**Other Information**

Waste codes should be assigned by the user based on the application for which the product was used.

**Section 14: TRANSPORTATION INFORMATION****IMDG/IMO**

14.1 UN/ID No	Not regulated
14.2 Proper shipping name	Not regulated ( )
14.3 Hazard Class	Not regulated
14.4 Packing Group	Not regulated
14.5 Marine pollutant	
14.6 Special precautions for user	

**RID/ADR**

14.1 UN/ID No	Not regulated
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14.2 Proper shipping name	Not regulated ( )
14.3 Hazard Class	Not regulated
14.4 Packing Group	Not regulated
14.5 Environmental hazard	Yes
14.6 Special precautions for user	

**ICAO/IATA**

14.1 UN/ID No	Not regulated
14.2 Proper shipping name	Not regulated ( )
14.3 Hazard Class	Not regulated
14.4 Packing Group	Not regulated
14.5 Environmental hazard	Yes
14.6 Special precautions for user	
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not Applicable

**Section 15: REGULATORY INFORMATION****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****15.2. 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 R-phrases referred to under sections 2 and 3**

R63 - Possible risk of harm to the unborn child  
R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment  
R36/37 - Irritating to eyes and respiratory system  
R20/22 - Harmful by inhalation and if swallowed

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

H335 - May cause respiratory irritation  
H319 - Causes serious eye irritation  
H302 - Harmful if swallowed  
H332 - Harmful if inhaled  
H361d - Suspected of damaging the unborn child  
H412 - Harmful to aquatic life with long lasting effects

**Revision Note** \*\*\* - Change from previous version.

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

**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