

**Trade name:** BASAMID**Product no.:** KST 032 C1118/UK**Current version :** 1.0.2, issued: 05.07.2019**Replaced version:** 1.0.1, issued: 20.06.2019**Region:** GB**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier**

Trade name

**BASAMID****1.2 Relevant identified uses of the substance or mixture and uses advised against****Relevant identified uses of the substance or mixture**

Plant protection product

Insecticide

Fungicide

nematicide

Herbicide

**Uses advised against**

No data available.

**1.3 Details of the supplier of the safety data sheet****Address**

Certis Europe (GB)

Suite 5, 3 Riverside

Granta Park - Great Abington

Cambridgeshire CB21 6AD

United Kingdom

Telephone no. +44 (0) 1223 894 261

Fax no. +44 (0)1223 891210

e-mail [info@certiseurope.co.uk](mailto:info@certiseurope.co.uk) - [www.certiseurope.co.uk](http://www.certiseurope.co.uk)**Advice on Safety Data Sheet**[certis@certiseurope.co.uk](mailto:certis@certiseurope.co.uk)**1.4 Emergency telephone number**

Carechem 24 GB +44 870 190 6777

**SECTION 2: Hazards identification****2.1 Classification of the substance or mixture****Classification in accordance with Regulation (EC) No 1272/2008 (CLP)**

Acute Tox. 4; H302

Aquatic Chronic 1; H410

Eye Irrit. 2; H319

Skin Irrit. 2; H315

Skin Sens. 1; H317

STOT SE 3; H335

**Classification information**

Classification and labelling are based on toxicological studies performed on the product (mixture).

Classification and labelling with respect to water pollution risks are based on ecotoxicological studies performed on the product (mixture).

This product is assessed and classified using the methods and criteria below referred to in Article 9 of Regulation (EC) n° 1272/2008:

Physical hazards: determined through assessment data based on the methods or standards referred to in part 2 of Annex I to CLP

Health hazards and environmental hazards: determined through toxicological and ecotoxicological assessment data based on the methods or standards referred to in Part 3, 4 and 5 of Annex I to CLP.

**2.2 Label elements****Labelling according to Regulation (EC) No 1272/2008 (CLP Regulation)****Hazard pictograms**

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GHS07



GHS09

**Signal word**

Warning

**Hazardous component(s) to be indicated on label:**

dazomet

**Hazard statement(s)**

H302 Harmful if swallowed.  
 H315 Causes skin irritation.  
 H317 May cause an allergic skin reaction.  
 H319 Causes serious eye irritation.  
 H335 May cause respiratory irritation.  
 H410 Very toxic to aquatic life with long lasting effects.

**Hazard statements (EU)**

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

**Precautionary statement(s)**

P261 Avoid breathing dust.  
 P262 Do not get in eyes, on skin, or on clothing.  
 P280 Wear protective gloves/protective clothing/eye protection/face protection.  
 P284 [In case of inadequate ventilation] wear respiratory protection.  
 P312 Call a POISON CENTER/doctor if you feel unwell.  
 P501 Dispose of contents/ container to a licensed hazardous waste disposal contractor or collection site except for triple rinsed empty clean containers which can be disposed of as non-hazardous waste.

**2.3 Other hazards**

PBT assessment

The components of this product are not considered to be a PBT.

vPvB assessment

The components of this product are not considered to be a vPvB.

**SECTION 3: Composition/information on ingredients****3.1 Substances**

Not applicable. The product is not a substance.

**3.2 Mixtures****Chemical characterization**

solid plant protection formulation

**Hazardous ingredients**

No	Substance name	Classification (EC) 1272/2008 (CLP)	Additional information	
			Concentration	%
1	<b>dazomet</b>			
	533-74-4 208-576-7 613-008-00-X -	Acute Tox. 4; H302 Eye Irrit. 2; H319 Skin Irrit. 2; H315 STOT SE 3; H335 Skin Sens. 1; H317 Aquatic Acute 1; H400 Aquatic Chronic 1; H410	< 100.00	%-b.w.

Full Text for all H-phrases and EUH-phrases: pls. see section 16

**SECTION 4: First aid measures****4.1 Description of first aid measures**

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In case of persisting adverse effects, consult a physician. Change contaminated, saturated clothing.

**After inhalation**

Remove affected person from the immediate area. Ensure supply of fresh air.

**After skin contact**

Wash immediately with plenty of water for several minutes.

**After eye contact**

Remove contact lenses. Rinse eye thoroughly under running water keeping eyelids wide open and protecting the unaffected eye (at least 10 to 15 minutes).

**After ingestion**

Call a doctor immediately and show label or packaging. Rinse out mouth and give plenty of water to drink. Never give anything by mouth to an unconscious person. Do not induce vomiting.

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

RADS (Reactive Airway Dysfunction Syndrome); Asthma; Respiratory tract irritation; Shortness of breath; chest tightness; Coughing; wheeze; Eye irritation; allergic skin rash; bullous eruption; gastrointestinal disorders; headaches; Dizziness

**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**

Carbon dioxide; Extinguishing powder; Water spray jet; Foam

**Unsuitable extinguishing media**

High power water jet

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

In the event of fire, the following can be released: Carbon dioxide (CO<sub>2</sub>); Carbon monoxide (CO); Sulphur oxides (SxO<sub>y</sub>); Nitrogen oxides (NO<sub>x</sub>)

**5.3 Advice for firefighters**

Fire-fighting operations, rescue and clearing work under effect of combustion and smoulder gases just may be done with breathing apparatus. Run-off water from fire fighting must not be discharged into drains or enter surface water. Wear protective clothing.

**SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures****For non-emergency personnel**

Refer to protective measures listed in sections 7 and 8. Ensure adequate ventilation.

**For emergency responders**

No data available. Personal protective equipment (PPE) - see Section 8.

**6.2 Environmental precautions**

Do not discharge into the drains/surface waters/groundwater. Do not uncontrolled discharge into the subsoil/soil.

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

Take up mechanically. When picked up, treat material as prescribed under heading "Disposal considerations".

**6.4 Reference to other sections**

No data available.

**SECTION 7: Handling and storage****7.1 Precautions for safe handling**

**Advice on safe handling**

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No special measures necessary if stored and handled as prescribed. Do not inhale dust. Provide good ventilation at the work area (local exhaust ventilation, if necessary).

**General protective and hygiene measures**

Do not eat, drink or smoke during work time. Keep away from foodstuffs and beverages. Wash hands before breaks and after work. Provide eye wash fountain in work area. Do not inhale dust/fumes/aerosols.

**Advice on protection against fire and explosion**

No special measures necessary.

**7.2 Conditions for safe storage, including any incompatibilities****Technical measures and storage conditions**

Keep container tightly closed and dry in a cool, well-ventilated place.

**Recommended storage temperature**

Value	-10	-	40	°C
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**Storage stability**

Value	24	months
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**Requirements for storage rooms and vessels**

Store product in closed containers.

**Incompatible products**

Do not store together with foodstuffs.

**7.3 Specific end use(s)****Industry solution**

Always read the label and product information before use.

**SECTION 8: Exposure controls/personal protection****8.1 Control parameters**

No parameters available for monitoring.

**8.2 Exposure controls****Appropriate engineering controls**

No data available.

**Personal protective equipment****Respiratory protection**

If workplace exposure limits are exceeded, a respiration protection approved for this particular job must be worn. In case of dust, vapour and mist formation, take appropriate measures for breathing protection in the event workplace threshold values are not specified.

Respirator	A1P2
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**Eye / face protection**

Safety glasses (EN 166)

**Hand protection**

In case of intensive contact, wear protective gloves (EN 374). Sufficient protection is given wearing suitable protective gloves checked according to i.e. EN 374, in the event of risk of skin contact with the product. Before use, the protective gloves should be tested in any case for its specific work-station suitability (i.e. mechanical resistance, product compatibility and antistatic properties). Adhere to the manufacturer's instructions and information relating to the use, storage, care and replacement of protective gloves. Protective gloves shall be replaced immediately when physically damaged or worn. Design operations thus to avoid permanent use of protective gloves.

Appropriate Material	nitrile rubber		
Material thickness		0.4	mm
Breakthrough time	>	480	min
Appropriate Material	chloroprene		
Material thickness		0.5	mm
Breakthrough time	>	480	min
Appropriate Material	PVC		
Material thickness		0.7	mm
Breakthrough time	>	480	min

**Other**

Normal chemical work clothing.

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No data available.

**SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties**

<b>Form/Colour</b>		
solid		
white		
<b>Odour</b>		
slightly fishy		
<b>Odour threshold</b>		
No data available		
<b>pH value</b>		
Value	7.2	
Concentration	1	%
Source	Manufacturer	
<b>Boiling point / boiling range</b>		
Value	105	°C
Source	Manufacturer	
<b>Melting point / melting range</b>		
Value	105	°C
Reference substance	dazomet	
Source	Manufacturer	
<b>Decomposition point / decomposition range</b>		
Value	150	°C
Source	Manufacturer	
<b>Flash point</b>		
No data available		
<b>Auto-ignition temperature</b>		
No data available		
<b>Oxidising properties</b>		
not oxidizing		
<b>Explosive properties</b>		
Product does not present an explosion hazard.		
<b>Flammability (solid, gas)</b>		
The product is non-flammable.		
Source	Manufacturer	
<b>Lower flammability or explosive limits</b>		
No data available		
<b>Upper flammability or explosive limits</b>		
No data available		
<b>Vapour pressure</b>		
Value	2.1	*10 <sup>-3</sup> Pa
Reference temperature	25	°C
Reference substance	CAS 533-74-4	
Source	Manufacturer	
Comments	negligible	
<b>Vapour density</b>		
No data available		
<b>Evaporation rate</b>		

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No data available

**Relative density**

No data available

**Density**

Value	1.34	g/cm <sup>3</sup>
Reference temperature	20	°C
Source	Manufacturer	

**Bulk density**

Value	0.678	kg/l
Source	Manufacturer	

**Solubility in water**

Value	3.4	g/l
Reference temperature	20	°C
Reference substance	dazomet	
Source	Manufacturer	

**Solubility(ies)**

No data available

**Partition coefficient: n-octanol/water**

No	Substance name	CAS no.	EC no.
1	dazomet	533-74-4	208-576-7
	log Pow	0.63	
	Reference temperature	20	°C
	Source	Manufacturer	

**Viscosity**

No data available

**9.2 Other information****Other information**

No data available.

**SECTION 10: Stability and reactivity****10.1 Reactivity**

The product is stable under normal storage and handling conditions.

**10.2 Chemical stability**

Stable under recommended storage and handling conditions (See section 7).

**10.3 Possibility of hazardous reactions**

Decomposes in contact with water and releases toxic gases.

**10.4 Conditions to avoid**

Moisture.

**10.5 Incompatible materials**

Water

**10.6 Hazardous decomposition products**

Methyl isothiocyanate (MITC). Exposition to moisture induces the decomposition of dazomet into methyl isothiocyanate. Methyl isothiocyanate is toxic by inhalation and if swallowed, irritant to eyes and respiratory system, corrosive and sensitizing by skin contact.

**SECTION 11: Toxicological information****11.1 Information on toxicological effects**

Acute oral toxicity (result of the ATE calculation for the mixture)	
No	Product Name
1	BASAMID

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ATE (Mixture)	627.37
Method	Calculation method according Regulation (EC) No 1272/2008, (CLP), annex I, part 3, section 3.1.3.6.

**Acute oral toxicity**

No	Substance name	CAS no.	EC no.
1	dazomet	533-74-4	208-576-7
LD50		596	mg/kg bodyweight
Species	rat		
Source	supplier		

**Acute dermal toxicity**

No	Substance name	CAS no.	EC no.
1	dazomet	533-74-4	208-576-7
LD50		> 2000	mg/kg bodyweight
Species	rat		
Source	Manufacturer		

**Acute inhalational toxicity**

No	Substance name	CAS no.	EC no.
1	dazomet	533-74-4	208-576-7
LC50		>	8.4 mg/l
Duration of exposure			4 h
State of aggregation	Dust/mist		
Species	rat		
Evaluation/classification	Based on available data, the classification criteria are not met.		

**Skin corrosion/irritation**

No	Product Name
1	BASAMID
Species	Human
Source	Manufacturer
Evaluation	irritant

**Serious eye damage/irritation**

No	Product Name
1	BASAMID
Species	Human
Source	Manufacturer
Evaluation	irritant

**Respiratory or skin sensitisation**

No	Product Name
1	BASAMID
Route of exposure	Skin
Species	Human
Source	Manufacturer
Evaluation	sensitizing

**Germ cell mutagenicity**

No data available
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**Reproduction toxicity**

No	Product Name
1	BASAMID
Source	Manufacturer
Evaluation/classification	Based on available data, the classification criteria are not met.

**Carcinogenicity**

No	Product Name
1	BASAMID
Source	Manufacturer
Evaluation/classification	Based on available data, the classification criteria are not met.

**STOT - single exposure**

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No	Product Name
1	BASAMID
Source	Manufacturer
Evaluation/classification	Based on available data, the classification criteria are met.
<b>STOT - repeated exposure</b>	
No data available	
<b>Aspiration hazard</b>	
No data available	

## SECTION 12: Ecological information

### 12.1 Toxicity

<b>Toxicity to fish (acute)</b>			
No data available			
<b>Toxicity to fish (chronic)</b>			
No data available			
<b>Toxicity to Daphnia (acute)</b>			
No	Product Name		
1	BASAMID		
EC50		0.427	mg/l
Duration of exposure		48	h
Source	Manufacturer		
<b>Toxicity to Daphnia (chronic)</b>			
No data available			
<b>Toxicity to algae (acute)</b>			
No	Product Name		
1	BASAMID		
ErC50		0.59	mg/l
Duration of exposure		72	h
Species	Pseudokirchneriella subcapitata		
Source	Manufacturer		
<b>Toxicity to algae (chronic)</b>			
No data available			
<b>Bacteria toxicity</b>			
No data available			

### 12.2 Persistence and degradability

<b>Biodegradability</b>			
No	Substance name	CAS no.	EC no.
1	dazomet	533-74-4	208-576-7
Source	Manufacturer		
Evaluation	not readily biodegradable		

### 12.3 Bioaccumulative potential

<b>Partition coefficient: n-octanol/water</b>			
No	Substance name	CAS no.	EC no.
1	dazomet	533-74-4	208-576-7
log Pow		0.63	
Reference temperature		20	°C
Source	Manufacturer		

### 12.4 Mobility in soil

<b>Mobility in soil</b>			
No	Substance name	CAS no.	EC no.
1	dazomet	533-74-4	208-576-7
log Koc		2.415	



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Source	Manufacturer
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**12.5 Results of PBT and vPvB assessment**

Results of PBT and vPvB assessment	
PBT assessment	The components of this product are not considered to be a PBT.
vPvB assessment	The components of this product are not considered to be a vPvB.

**12.6 Other adverse effects**

No data available.

**SECTION 13: Disposal considerations****13.1 Waste treatment methods****Product**

Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company.

**Packaging**

Residuals must be removed from packaging and when emptied completely disposed of in accordance with the regulations for waste removal. Incompletely emptied packaging must be disposed of in the form of disposal specified by the regional disposer.

**SECTION 14: Transport information****14.1 Transport ADR/RID/ADN**

Class	9
Classification code	M7
Packing group	III
Hazard identification no.	90
UN number	UN3077
Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
Technical name	dazomet
Tunnel restriction code	-
Label	9
Environmentally hazardous substance mark	Symbol "fish and tree"

**14.2 Transport IMDG**

Class	9
Packing group	III
UN number	UN3077
Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
Technical name	dazomet
EmS	F-A, S-F
Label	9
Marine pollutant mark	Symbol "fish and tree"

**14.3 Transport ICAO-TI / IATA**

Class	9
Packing group	III
UN number	UN3077
Proper shipping name	Environmentally hazardous substance, solid, n.o.s.
Technical name	dazomet
Label	9
Environmentally hazardous substance mark	Symbol "fish and tree"

**14.4 Other information**

No data available.

**14.5 Environmental hazards**

Information on environmental hazards, if relevant, please see 14.1 - 14.3.

**14.6 Special precautions for user**

No data available.

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Not relevant

**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulations****Regulation (EC) No 1907/2006 (REACH) Annex XIV (List of substances subject to authorisation)**

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substances considered as substances requiring authorisation as listed on Annex XIV of the REACH regulation (EC) 1907/2006.

**REACH candidate list of substances of very high concern (SVHC) for authorisation**

According to available data and the information provided by preliminary suppliers, the product does not contain substances that are considered substances meeting the criteria for inclusion in annex XIV (List of Substances Subject to Authorisation) as laid down in Article 57 and article 59 of REACH (EC) 1907/2006.

**Regulation (EC) No 1907/2006 (REACH) Annex XVII: RESTRICTIONS ON THE MANUFACTURE, PLACING ON THE MARKET AND USE OF CERTAIN DANGEROUS SUBSTANCES, PREPARATIONS AND ARTICLES**

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substances requiring authorisation as listed on Annex XVII of the REACH regulation (EC) 1907/2006.

**Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances**

This product is subject to Part I of Annex I, risk category:

E1

**15.2 Chemical safety assessment**

A chemical safety assessment has not been carried out for this mixture.

**SECTION 16: Other information****Sources of key data used to compile the data sheet:**

Regulation (EC) No 1907/2006 (REACH), 1272/2008 (CLP) as amended in each case.

EC Directives 2000/39/EC, 2006/15/EC, 2009/161/EU

National Threshold Limit Values of the corresponding countries as amended in each case.

Transport regulations according to ADR, RID, IMDG, IATA as amended in each case.

The data sources used to determine physical, toxic and ecotoxic data, are indicated directly in the corresponding chapter.

**Full text of the H- and EUH- phrases drawn up in sections 2 and 3 (provided not already drawn up in these sections)**

H400 Very toxic to aquatic life.

**Department issuing safety data sheet**

UMCO GmbH

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This information is based on our present knowledge and experience.

The safety data sheet describes products with a view to safety requirements.

It does not however, constitute a guarantee for any specific product properties and shall not establish a legally valid contractual relationship.

**Alterations/supplements:**

Alterations to the previous edition are marked in the left-hand margin.

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