

Trade name: Basamid**Product no.:** KST 032 C1118 IRE**Current version :** 1.0.0, issued: 05.07.2019**Replaced version:** -, issued: -**Region:** IE**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 - www.certiseurope.co.uk**Advice on Safety Data Sheet**certis@certiseurope.co.uk**1.4 Emergency telephone number**

For further advice for medical professionals:

The National Poisons Information Service: -44 (0) 870 600 6266.

For further advice for veterinary surgeons: -44 (0) 20 7635 9195

Dublin – National Poisons Information Centre, Beaumont Hospital, Dublin 9:

Available from 8 am to 10pm – 7 days: +353 (01) 809 2166

Available 24hrs: +353(01)809 2566

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.

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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	Additional information	
	CAS / EC / Index / REACH no	Classification (EC) 1272/2008 (CLP)	Concentration %
1	dazomet		
	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

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SECTION 4: First aid measures

4.1 Description of first aid measures

General information

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 (CO₂); Carbon monoxide (CO); Sulphur oxides (SxO_y); Nitrogen oxides (NO_x)

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.

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SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling

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		

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Material thickness		0,7	mm
Breakthrough time	>	480	min

Other

Normal chemical work clothing.

Environmental exposure controls

No data available.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Form/Colour			
solid			
white			
Odour			
slightly fishy			
Odour threshold			
No data available			
pH value			
Value		7,2	
Concentration		1	%
Source	Manufacturer		
Boiling point / boiling range			
Value		105	°C
Source	Manufacturer		
Melting point / melting range			
Value		105	°C
Reference substance	dazomet		
Source	Manufacturer		
Decomposition point / decomposition range			
Value		150	°C
Source	Manufacturer		
Flash point			
No data available			
Auto-ignition temperature			
No data available			
Oxidising properties			
not oxidizing			
Explosive properties			
Product does not present an explosion hazard.			
Flammability (solid, gas)			
The product is non-flammable.			
Source	Manufacturer		
Lower flammability or explosive limits			
No data available			
Upper flammability or explosive limits			
No data available			
Vapour pressure			
Value		2,1	*10 ⁻³ Pa
Reference temperature		25	°C
Reference substance	CAS 533-74-4		
Source	Manufacturer		
Comments	negligible		

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Vapour density	
No data available	

Evaporation rate	
No data available	

Relative density	
No data available	

Density	
Value	1,34 g/cm ³
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). Exposure 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

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

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

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Source Evaluation/classification	Manufacturer Based on available data, the classification criteria are not met.
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STOT - single exposure**No | Product Name****1 | Basamid**

Source Evaluation/classification	Manufacturer Based on available data, the classification criteria are met.
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STOT - repeated exposure

No data available

Aspiration hazard

No data available

SECTION 12: Ecological information**12.1 Toxicity****Toxicity to fish (acute)**

No data available

Toxicity to fish (chronic)

No data available

Toxicity to Daphnia (acute)**No | Product Name****1 | Basamid**

EC50	0,427	mg/l
Duration of exposure	48	h
Source	Manufacturer	

Toxicity to Daphnia (chronic)

No data available

Toxicity to algae (acute)**No | Product Name****1 | Basamid**

ErC50	0,59	mg/l
Duration of exposure	72	h
Species	Pseudokirchneriella subcapitata	
Source	Manufacturer	

Toxicity to algae (chronic)

No data available

Bacteria toxicity

No data available

12.2 Persistence and degradability**Biodegradability**

No	Substance name	CAS no.	EC no.
1	dazomet	533-74-4	208-576-7

Source Evaluation	Manufacturer not readily biodegradable
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12.3 Bioaccumulative potential**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	

12.4 Mobility in soil

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Mobility in soil			
No	Substance name	CAS no.	EC no.
1	dazomet	533-74-4	208-576-7
log Koc		2,415	
Source		Manufacturer	

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

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

14.6 Special precautions for user

No data available.

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

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
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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

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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.

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