

Material Safety Data Sheet:

SLUDGEZAP 1

ACCORDING TO EC-REGULATIONS 1907/2006 (REACH), 1272/2008 (CLP) & 2015/830 AS AMENDED BY UK REACH REGULATIONS SI 2019/758

Section 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier	
Product name	SLUDGEZAP 1: Sludge Digester for Septic Tanks and Soil Stacks
Product type	Mixture
1.2 Relevant identified uses of the substance or mixture and uses advised against	
Identified Use(s)	For biological odour control and the removal of sludge, and organic matter in WCs, soil pipes, septic tanks, klagesters and other pipework
Uses advised against	Anything other than the above – Not for oral consumption or direct contact with food and beverages
1.3 Details of the supplier of the safety data sheet	
Company Identification	Advanced Bacterial Sciences 3rd floor, Crown House, 151 High Road, Loughton, IG10 4LG. UK
Telephone	+44 (0)844 381 4708
E-mail (competent person)	sales@abs.eco
1.4 Emergency telephone number	
Emergency Phone No.	+44 (0)844 381 4708 Only available during office hours. Monday to Friday 09.00 - 17.00, GMT
Languages spoken:	English

Section 2: Hazards identification

2.1 Classification of the substance or mixture	
2.1.1 The retained CLP Regulation (EU) No 1272/2008, as amended for Great Britain	Not classified as hazardous for supply.
2.2 Label elements	The retained CLP Regulation (EU) No 1272/2008, as amended for Great Britain
Product name	SLUDGEZAP 1: Sludge Digester for Septic Tanks and Soil Stacks
Contains:	Not assigned
Hazard Pictogram(s)	Not assigned
Signal Word(s)	Not assigned
Hazard Statement(s)	Not assigned
Precautionary Statement(s)	Not assigned
Supplemental information	Not applicable

Material Safety Data Sheet:

SLUDGEZAP 1

ACCORDING TO EC-REGULATIONS 1907/2006 (REACH), 1272/2008 (CLP) & 2015/830 AS AMENDED BY UK REACH REGULATIONS SI 2019/758

2.3 Other hazards

The preparation contains microorganisms belonging to hazard group 1 as defined by the Advisory Committee on Dangerous Pathogens (ACDP) as unlikely to cause human disease. However, it should not be assumed that infection can never occur. People who are immunocompromised should not work with this product.

Section 3: Composition/information on ingredients

3.1 Substances

Not applicable

3.2 Mixtures

Substances in preparations / mixtures. According to Regulation (EC) No. 1272/2008 (CLP)

Chemical identity of the substance	%W/W	CAS No.	EC No.	REACH Registration No.	Hazard classification
Non-pathogenic bacteria	5 - 15	-	-	Not applicable	Not classified

Section 4: First aid measures

4.1 Description of first aid measures

Self-protection of the first aider

No action should be taken involving personal risk.

Wear appropriate personal protective equipment.

Inhalation

Avoid contact with skin and eyes. Avoid breathing dust
IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing.

Skin contact

IF exposed or concerned: Get medical advice/attention.

Eye contact

IF ON SKIN: Gently wash with plenty of soap and water.
If irritation develops and persists, get medical attention.

Ingestion

IF IN EYES: Rinse cautiously with water for several minutes.
Remove contact lenses, if present and easy to do. Continue rinsing. If irritation develops and persists, get medical attention.
IF SWALLOWED: Rinse mouth. Give plenty of water to drink.
Do NOT induce vomiting. IF exposed or concerned:
Get medical advice/attention.

4.2 Most important symptoms and effects, both acute and delayed

None Known

Material Safety Data Sheet:

SLUDGEZAP 1

ACCORDING TO EC-REGULATIONS 1907/2006 (REACH), 1272/2008 (CLP) & 2015/830 AS AMENDED BY UK REACH REGULATIONS SI 2019/758

- | | | |
|-----|--|-----------------------|
| 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

Unsuitable extinguishing media | Not flammable. In case of fire use extinguishing media appropriate to surrounding conditions: Foam, carbon dioxide, water or dry powder.

Do not use water jet. Direct water jet may spread the fire. |
| 5.2 | Special hazards arising from the substance or mixture | May give off noxious and toxic fumes in a fire. Combustion products: Carbon monoxide, Carbon dioxide. |
| 5.3 | Advice for firefighters | Fight fire with normal precautions from a reasonable distance. Fire fighters should wear complete protective clothing including self-contained breathing apparatus. Keep containers cool by spraying with water if exposed to fire. Avoid run off to waterways and sewers. |

Section 6: Accidental release measures

- | | | |
|-----|--|--|
| 6.1 | Personal precautions, protective equipment and emergency procedures | No action should be taken involving personal risk. Wear appropriate personal protective equipment. Avoid contact with skin and eyes. Ensure adequate ventilation. Avoid breathing dust. |
| 6.2 | Environmental precautions | Not applicable |
| 6.3 | Methods and material for containment and cleaning up | Sweep up spilled substance. Avoid dust formation. Use vacuum equipment for collecting spilt materials, where practicable. Transfer to a container for disposal. Recover the product where possible. Wash the spillage area with water. |
| 6.4 | Reference to other sections | See Also Section: 8, 13. |

Section 7: Handling and storage

- | | | |
|-----|--------------------------------------|--|
| 7.1 | Precautions for safe handling | Read label before use. Do not eat, drink or smoke during work. Wear appropriate personal protective equipment. Avoid dust formation. Avoid breathing dust. Ensure adequate ventilation. Avoid contact with skin and eyes. Wash hands and exposed skin thoroughly after handling. |
|-----|--------------------------------------|--|

Material Safety Data Sheet:

SLUDGEZAP 1

ACCORDING TO EC-REGULATIONS 1907/2006 (REACH), 1272/2008 (CLP) & 2015/830 AS AMENDED BY UK REACH REGULATIONS SI 2019/758

7.2	Conditions for safe storage, including any incompatibilities	Keep only in the original container in a cool, well-ventilated place away from: light, elevated temperature, humidity. Keep in a fridge or deep freeze in case of prolonged storage. Stable at ambient temperatures. Recommended: <30 °C to prolong storage life. None known
	Storage temperature	
	Incompatible materials	
7.3	Specific end use(s)	See Section: 1.2.

Section 8: Exposure controls/personal protection

8.1 Control parameters

8.1.1 Occupational exposure limits The UK HSE (EH40) recommends the following limits for dusts: 10 mg/m³ (8hr TWA) total inhalable dust; 4 mg/m³ (8hr TWA) total respirable dust.

8.1.2 Biological limit value Not established.

8.1.3 PNECs and DNELs Not applicable

8.2 Exposure controls

8.2.1 Appropriate engineering controls Ensure adequate ventilation. Store in a cool/low-temperature, well-ventilated (dry) place away from heat and ignition sources. A washing facility/water for eye and skin cleaning purposes should be present. Eyewash bottles should be available.

8.2.2 Individual protection measures, such as personal protective equipment Keep good industrial hygiene. Wear appropriate personal protective equipment. Avoid contact with skin and eyes. Do not eat, drink or smoke at the work place. Wash hands before breaks and after work.

Protective clothing should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled. The resistance of the protective clothing to chemicals should be ascertained with the respective supplier.

Eye/ face protection Not normally required.
Recommended: Wear eye protection with side protection.

Skin protection Hand protection: Not normally required
Recommended: Wear rubber gloves.

Body protection: Not normally required
Wear suitable working clothes.

Material Safety Data Sheet:

SLUDGEZAP 1

ACCORDING TO EC-REGULATIONS 1907/2006 (REACH), 1272/2008 (CLP) & 2015/830 AS AMENDED BY UK REACH REGULATIONS SI 2019/758

Respiratory protection	Not normally required. Recommended: An approved dust mask should be worn if dust is generated during handling.
Thermal hazards	Not applicable.
8.2.3 Environmental exposure controls	Not applicable

Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	Blue crystalline powder
Odour	No odour
Odour threshold	Not established
pH	7.0 – 8.0
Melting point/freezing point	Not applicable
Initial boiling point and boiling range	Not applicable
Flash point	Not applicable
Evaporation rate	Not applicable
Flammability (solid, gas)	Not flammable
Upper/lower flammability or explosive limits	Not established
Vapour pressure	Not applicable
Vapour density	Not applicable
Relative density	0.7 – 0.8 g/cm ³
Solubility(ies)	Soluble in water
Partition coefficient: n-octanol/water	Not established
Auto-ignition temperature	Not established
Decomposition temperature	Not established
Viscosity	Not applicable
Explosive properties	Not explosive
Oxidising properties	Not established

9.2 Other information None Known

Section 10: Stability and reactivity

10.1 Reactivity	Stable under normal conditions.
10.2 Chemical stability	Stable under normal conditions.
10.3 Possibility of hazardous reactions	Hazardous polymerisation will not occur.
10.4 Conditions to avoid	Do not mix with any other products / chemicals. Keep away from: light, elevated temperature, humidity, exposure to moisture.

Material Safety Data Sheet:

SLUDGEZAP 1

ACCORDING TO EC-REGULATIONS 1907/2006 (REACH), 1272/2008 (CLP) & 2015/830 AS AMENDED BY UK REACH REGULATIONS SI 2019/758

- | | | |
|------|----------------------------------|---|
| 10.5 | Incompatible materials | Strong acids, strong alkali, strong oxidising agents |
| 10.6 | Hazardous decomposition products | Combustion products: Carbon monoxide, Carbon dioxide. |

Section 11: Toxicological information

- | | | |
|------|--------------------------------------|--|
| 11.1 | Information on toxicological effects | |
| | Acute Toxicity - Ingestion | Mixture: Based upon the available data, the classification criteria are not met. Calculated acute toxicity estimate (ATE) >2,000 mg/kg. |
| | Acute Toxicity - Inhalation | Mixture: Based upon the available data, the classification criteria are not met. Calculated acute toxicity estimate (ATE) > 5 mg/l (Dusts) |
| | Acute Toxicity - Skin contact | Mixture: Based upon the available data, the classification criteria are not met. Calculated acute toxicity estimate (ATE) >2,000 mg/kg. |
| | Skin corrosion/irritation | Mixture: Based upon the available data, the classification criteria are not met. |
| | Serious eye damage/irritation | Mixture: Based upon the available data, the classification criteria are not met. |
| | Respiratory or skin sensitisation | Mixture: Based upon the available data, the classification criteria are not met. |
| | Germ cell mutagenicity | Mixture: Based upon the available data, the classification criteria are not met. |
| | Carcinogenicity | Mixture: Based upon the available data, the classification criteria are not met. |
| | Reproductive toxicity | Mixture: Based upon the available data, the classification criteria are not met. |
| | STOT - single exposure | Mixture: Based upon the available data, the classification criteria are not met. |
| | STOT - repeated exposure | Mixture: Based upon the available data, the classification criteria are not met. |
| | Aspiration hazard | Mixture: Based upon the available data, the classification criteria are not met. |
| 11.2 | Other information | None. |

Section 12: Ecological information

- | | | |
|------|-------------------------------|--|
| 12.1 | Toxicity | Mixture: Based upon the available data, the classification criteria are not met. Estimated LC50 (Mixture): > 100 mg/l. |
| 12.2 | Persistence and degradability | No data for the mixture as a whole.
This product is predicted to degrade in soil and water. |
| 12.3 | Bioaccumulative potential | No data for the mixture as a whole.
Not anticipated to bioaccumulate. |

Material Safety Data Sheet:

SLUDGEZAP 1

ACCORDING TO EC-REGULATIONS 1907/2006 (REACH), 1272/2008 (CLP) & 2015/830 AS AMENDED BY UK REACH REGULATIONS SI 2019/758

12.4	Mobility in soil	No data for the mixture as a whole.
12.5	Results of PBT and vPvB assessment	Not classified as PBT or vPvB. None of the substances in this product fulfil the criteria for being regarded as a PBT or vPvB substance.
12.6	Other adverse effects	None known.

Section 13: Disposal considerations

13.1	Waste treatment methods	Disposal should be in accordance with local, state or national legislation. Handle contaminated packages in the same way as the substance itself. Non-contaminated packages may be recycled. Recover or recycle if possible.
------	-------------------------	--

Section 14: Transport information

Not classified according to the United Nations 'Recommendations on the Transport of Dangerous Goods'.

	ADR/RID	IMDG	IATA/ICAO
14.1	UN number	Not classified as dangerous for transport.	
14.2	UN proper shipping name	Not classified	Not classified
14.3	Transport hazard class(es)	Not classified	Not classified
14.4	Packing group	Not classified	Not classified
14.5	Environmental hazards	Not classified	Not classified
14.6	Special precautions for user	See Section: 2	
14.7	Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable	
14.8	Additional Information	None	

Section 15: Regulatory information

15.1	Safety, health and environmental regulations/legislation specific for the substance or mixture	
15.1.1	EU regulations	
	Authorisations and/or restrictions on use	Not restricted
	GB Regulations	Not restricted
15.1.2	National regulations	Not restricted
15.2	Chemical Safety Assessment	A chemical safety assessment is not required under REACH.

Material Safety Data Sheet:

SLUDGEZAP 1

ACCORDING TO EC-REGULATIONS 1907/2006 (REACH), 1272/2008 (CLP) & 2015/830 AS AMENDED BY UK REACH REGULATIONS SI 2019/758

Section 16: Other information

The following sections contain revisions or new statements: Not applicable – V1.0

References:

Existing Safety Data Sheets (SDSs).
Existing ECHA registration for Substances

Classification: This Safety Data Sheet was prepared in accordance with EC Regulation (EC) 1907/2006 (REACH), 1272/2008 (CLP) & 2015/830. Compiled in accordance with REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758

Legend

ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
CAS	Chemical Abstracts Service
DNEL	Derived No Effect Level
EC	European Community
ECHA	European Chemicals Agency
EU	European Union
IATA	International Air Transport Association
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
LC50	Lethal concentration at which 50% of the population is killed
LD50	Lethal dose at which 50% of the population is killed
LTEL	Long Term Exposure Limit
OECD	Organisation for Economic Cooperation and Development
PBT	Persistent, Bioaccumulative and Toxic
PNEC	Predicted No Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Regulations concerning the international railway transport of dangerous goods
STEL	Short Term Exposure Limit
TWA	Time Weighted Average
UN	United Nations
vPvB	very Persistent and very Bioaccumulative

Training advice: Consideration should be given to the work procedures involved and the potential extent of exposure as they may determine whether a higher level of protection is required.

Material Safety Data Sheet:**SLUDGEZAP 1****ACCORDING TO EC-REGULATIONS 1907/2006 (REACH), 1272/2008 (CLP) & 2015/830 AS AMENDED BY UK REACH REGULATIONS SI 2019/758****Disclaimers**

Information contained in this publication or as otherwise supplied to Users is believed to be accurate and is given in good faith, but it is for the Users to satisfy themselves of the suitability of the product for their own particular purpose. Advanced Bacterial Sciences gives no warranty as to the fitness of the product for any particular purpose and any implied warranty or condition (statutory or otherwise) is excluded except to the extent that exclusion is prevented by law. Advanced Bacterial Sciences accepts no liability for loss or damage (other than that arising from death or personal injury caused by defective product, if proved), resulting from reliance on this information. Freedom under Patents, Copyright and Designs cannot be assumed.

Annex to the extended Safety Data Sheet (eSDS)

Exposure scenarios for substances in this preparation are not available.