

Safety data sheet

according to Regulation (EU) 2015/830

Printing date 06.03.2017

Revision: 06.03.2017

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

- 1.1 Product identifier

- Trade name: **BRODITOP PASTA BAIT**

- Sds code/version: 0/17

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

Ready for use rodenticide (biocidal product-PT14)

- Application of the substance / the mixture Ready for use rodenticide (biocidal product-PT14)

- 1.3 Details of the supplier of the safety data sheet

- Manufacturer/Supplier:

Zapi S.p.A.
Via Terza Strada, 12
35026 Conselve (Pd)
Italy
Tel. +39 049 9597737 Fax +39 049 9597735

E-mail address of the competent person responsible for the SDS: techdept@zapi.it

- Further information obtainable from: Tech. dept.

- 1.4 Emergency telephone number:

NHS In England and Wales: NHS 111 - dial 111
In Scotland: NHS 24 - dial 111
In Republic of Ireland: 01 809 2166
Zapi customer service: tel. +39 049 9597737 (9:00-12:00/14:00-17:00)

SECTION 2: Hazards identification

- 2.1 Classification of the substance or mixture

- Classification according to Regulation (EC) No 1272/2008

Repr. 1A H360D May damage the unborn child.
STOT RE 2 H373 May cause damage to the blood through prolonged or repeated exposure.

- 2.2 Label elements

- Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

- Hazard pictograms



GHS08

- Signal word Danger

- Hazard-determining components of labelling:

brodifacoum

- Hazard statements

H360D May damage the unborn child.
H373 May cause damage to the blood through prolonged or repeated exposure.

- Precautionary statements

P280 Wear protective gloves.
P270 Do not eat, drink or smoke when using this product.
P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P308+P313 IF exposed or concerned: Get medical advice/attention.
P405 Store locked up.

(Contd. on page 2)

Safety data sheet

according to Regulation (EU) 2015/830

Printing date 06.03.2017

Revision: 06.03.2017

Trade name: BRODITOP PASTA BAIT

(Contd. of page 1)

P501 Dispose of contents/container to a licensed hazardous-waste disposal contractor or collection site except for empty clean containers which can be disposed of as non-hazardous waste.

- Additional information:

Restricted to professional users.

- Further information:

To be used only by professional users holding certification demonstrating compliance with UK rodenticide stewardship regime requirements.

Read the label before use. Using this product in a manner that is inconsistent with the label may be an offence. Refer to the CRRU UK Code of Best Practice (or equivalent) for guidance.

When this product is supplied to a user for the control of rodents, it shall only be supplied to a professional user holding certification demonstrating compliance with UK rodenticide stewardship regime requirements.

- 2.3 Other hazards**- Results of PBT and vPvB assessment**

- PBT:	
56073-10-0 brodifacoum	
PBT	Brodifacoum fulfils the P, B and T criteria.
- vPvB:	
56073-10-0 brodifacoum	
vPvB	Brodifacoum fulfils the vP criterion.

SECTION 3: Composition/information on ingredients**- 3.2 Mixtures**

- Description: Mixture of substances listed below with nonhazardous additions.

- Dangerous components:		
CAS: 9005-25-8 EINECS: 232-679-6	Starch substance with a workplace exposure limit	10-20%
CAS: 57-50-1 EINECS: 200-334-9	sucrose substance with a workplace exposure limit	1-5%
CAS: 128-37-0 EINECS: 204-881-4 Reg.nr.: 01-2119480433-40	2,6-di-tert-butyl-p-cresol (BHT) Aquatic Acute 1, H400; Aquatic Chronic 1, H410	<0.1%
CAS: 56073-10-0 EINECS: 259-980-5 Index number: 607-172-00-1	brodifacoum Acute Tox. 1, H300; Acute Tox. 1, H310; Acute Tox. 1, H330; Repr. 1A, H360D; STOT RE 1, H372; Aquatic Acute 1, H400 (M=10); Aquatic Chronic 1, H410 (M=10)	0.005%

- Additional information: For the wording of the listed hazard phrases refer to section 16.

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

- General information: Please refer to the instructions below for each specific way of exposure.

- After inhalation: Supply fresh air and to be sure call for a doctor.

- After skin contact:

Remove contaminated clothing.

Wash skin with water and then with water and soap.

If needed, seek for medical advice.

- After eye contact:

Rinse eyes with eye-rinse liquid or water, keep eyelids open at least 10 minutes.

If needed, seek medical advice.

- After swallowing:

(Contd. on page 3)

Safety data sheet

according to Regulation (EU) 2015/830

Printing date 06.03.2017

Revision: 06.03.2017

Trade name: BRODITOP PASTA BAIT

(Contd. of page 2)

Rinse mouth carefully with water. Never give anything by mouth to unconscious person. Do not provoke vomiting. If swallowed, seek medical advice immediately and show the product's container or label.

Contact a veterinary surgeon in case of ingestion by a pet.

- 4.2 Most important symptoms and effects, both acute and delayed

Brodifacoum is an anticoagulant which may produce bleeding; this may be delayed for several days after exposure. If there is no active bleeding the INR (prothrombin time) should be measured on presentation and 48-72 hours after exposure. If the INR is greater than 4, administer Vitamin K1 (phytomenadione) 5-10 mg by slow intravenous injection (100 µg/kg body weight for a child). Treatment with phytomenadione (orally or intravenously) may be required for several weeks. The advice of the National Poisons Information Service (<http://www.npis.org/>) should be sought, particularly if active bleeding occurs.

- 4.3 Indication of any immediate medical attention and special treatment needed

Antidote: vitamin K1 (under medical supervision).

UK medical professionals should contact the National Poisons Information Service (www.npis.org) for further advice.

SECTION 5: Firefighting measures

- 5.1 Extinguishing media

- **Suitable extinguishing agents:** CO₂, powder or water spray. Fight larger fires with water spray.
- **For safety reasons unsuitable extinguishing agents:** To our knowledge, there are no unsuitable equipments.

- 5.2 Special hazards arising from the substance or mixture

In case of fire, toxic gases may be generated.

- 5.3 Advice for firefighters

Firefighters equipment in accordance with EN469 European standards.

- Protective equipment:

Firefighters equipment in accordance with EN469 European standards.

Do not inhale explosion gases or combustion gases.

- Additional information

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

SECTION 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

- 6.2 Environmental precautions:

Inform respective authorities in case of seepage into water course or sewage system.

Do not allow to enter sewers/ surface or ground water.

- 6.3 Methods and material for containment and cleaning up:

Pick up mechanically.

After cleaning up, ensure adequate ventilation.

Dispose of the material collected according to regulations.

- 6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: Handling and storage

- 7.1 Precautions for safe handling

Do not open sachets.

Wash hands and exposed skin before meals and after use.

Wear appropriate protective gloves.

When using the product, do not eat, drink or smoke.

- Information about fire - and explosion protection:

See Section 6.

See section 5.

(Contd. on page 4)

Safety data sheet

according to Regulation (EU) 2015/830

Printing date 06.03.2017

Revision: 06.03.2017

Trade name: **BRODITOP PASTA BAIT**

(Contd. of page 3)

- 7.2 Conditions for safe storage, including any incompatibilities**- Requirements to be met by storerooms and receptacles:**

Store in a dry, cool and well ventilated place. Keep the container closed and away from direct sunlight.
Store in places prevented from the access of children, birds, pets and farm animals.

- Information about storage in one common storage facility:

Place the product away from food, drink and animal feeding stuffs, as well as from utensils or surfaces that have contact with these.

- Further information about storage conditions:

Store away from light.
Keep only in original container.
Protect from frost.
Protect from humidity and water.

- 7.3 Specific end use(s) This product is a rodenticide bait for rodents' control.**SECTION 8: Exposure controls/personal protection****- Additional information about design of technical facilities:** No further data; see item 7.**- 8.1 Control parameters****- Ingredients with limit values that require monitoring at the workplace:****Flours dust**

WEL (Great Britain)	Short-term value: 30 mg/m ³ Long-term value: 10 mg/m ³ Capable of causing occupational asthma.
---------------------	--

9005-25-8 Starch

WEL (Great Britain)	Long-term value: 10* 4** mg/m ³ * total inhalable **respirable
---------------------	--

57-50-1 sucrose

WEL (Great Britain)	Short-term value: 20 mg/m ³ Long-term value: 10 mg/m ³
---------------------	---

128-37-0 2,6-di-tert-butyl-p-cresol (BHT)

WEL (Great Britain)	Long-term value: 10 mg/m ³
---------------------	---------------------------------------

- Regulatory information WEL (Great Britain): EH40/2005 - 2011 Edition**- DNELs****128-37-0 2,6-di-tert-butyl-p-cresol (BHT)**

Oral	Long term - systemic effects	0.25 mg/kg bw/d (general population)
Dermal	Long term - systemic effects	0.25 mg/kg bw/d (general population)
		0.5 mg/kg bw/d (workers)
Inhalative	Long term - systemic effects	0.86 mg/m ³ (general population)
		3.5 mg/m ³ (workers)

- PNECs**56073-10-0 brodifacoum**

Oral	PNEC	1.28x10 ⁻⁵ mg/kg bw (bird) 1.1x10 ⁻⁵ mg/kg bw (mammal)
	PNEC	0.00004 mg/l (aquatic organisms) >0.0038 mg/l (microorganisms)
	PNEC	>0.88 mg/kg (soil) (wet weight)

128-37-0 2,6-di-tert-butyl-p-cresol (BHT)

	PNEC	0.000199 mg/l (fresh water) 0.00002 mg/l (marine water) 0.17 mg/l (sewage treatment plant)
	PNEC	0.0996 mg/kg (sediment (fresh water))

(Contd. on page 5)

Safety data sheet

according to Regulation (EU) 2015/830

Printing date 06.03.2017

Revision: 06.03.2017

Trade name: BRODITOP PASTA BAIT

(Contd. of page 4)

		0.00996 mg/kg (sediment (marine water)) 0.04769 mg/kg (soil) 8.33 mg/kg (secondary poisoning)
- Other exposure limit values		
56073-10-0 brodifacoum		
Oral	AEL - short term	3.3x10 ⁻⁶ mg/kg bw (AEL)
	AEL - medium term	6.67x10 ⁻⁶ mg/kg bw (AEL)
	AEL - long term	3.3x10 ⁻⁶ mg/kg bw (AEL)

- 8.2 Exposure controls**- Personal protective equipment:****- General protective and hygienic measures:**

The usual precautionary measures are to be adhered to when handling chemicals.
Keep away from food, drink and animal feedingstuffs.
Wash hands before breaks and at the end of work.
Do not eat, drink, smoke or sniff while working.

- Respiratory protection: Not required during normal use of the product.**- Protection of hands:**

Protective gloves

When handling the product, wear suitable gloves (EN 374, category III).

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

- Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- Eye protection: Not required during normal use of the product.**- Limitation and supervision of exposure into the environment** See section 6.**- Risk management measures** Follow the above-reported directions.**SECTION 9: Physical and chemical properties**

- 9.1 Information on basic physical and chemical properties	
- General Information	
- Appearance:	
Form:	Solid
Colour:	Blue
- Odour:	Characteristic
- Odour threshold:	No data available.
- pH-value:	7.81 (CIPAC MT 75.3 - 1% H ₂ O)

(Contd. on page 6)

Safety data sheet

according to Regulation (EU) 2015/830

Printing date 06.03.2017

Revision: 06.03.2017

Trade name: **BRODITOP PASTA BAIT**

(Contd. of page 5)

- Change in condition	
Melting point/freezing point:	No data available.
Initial boiling point and boiling range:	Not applicable (solid).
- Flash point:	Not applicable.
- Flammability (solid, gas):	Not available (the product does not contain any ingredient classified as flammable).
- Ignition temperature:	No data available.
- Decomposition temperature:	No data available.
- Auto-ignition temperature:	Product is not selfigniting.
- Explosive properties:	Product does not present an explosion hazard.
- Explosion limits:	
Lower:	No data available.
Upper:	No data available.
- Vapour pressure:	Not applicable.
- Density:	No data available.
- Relative density	1.255 g/ml (CIPAC MT 33 - Tap density)
- Vapour density	Not applicable.
- Evaporation rate	Not applicable.
- Solubility in / Miscibility with	
water:	Insoluble.
- Partition coefficient: n-octanol/water:	No data available.
- Viscosity:	
Dynamic:	Not applicable.
Kinematic:	Not applicable.
- Solvent content:	
Organic solvents:	0.2 %
Solids content:	74.7 %
- 9.2 Other information	No further relevant information available.

SECTION 10: Stability and reactivity

- **10.1 Reactivity** Under standard handling and storing conditions, the product does not show any dangerous reaction.
- **10.2 Chemical stability** Stable at room temperature and if used as recommended.
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **10.4 Conditions to avoid**
Under standard handling and storing conditions, the product does not show any dangerous reaction.
- **10.5 Incompatible materials:**
Store only in original container.
Given the lack of information about possible incompatibilities with other substances, it is recommended not to use it in combination with other products.

(Contd. on page 7)

Safety data sheet

according to Regulation (EU) 2015/830

Printing date 06.03.2017

Revision: 06.03.2017

Trade name: **BRODITOP PASTA BAIT**

(Contd. of page 6)

- 10.6 Hazardous decomposition products:

No dangerous decomposition products known under normal conditions of storage and use.

SECTION 11: Toxicological information**- 11.1 Information on toxicological effects****- Acute toxicity** Based on available data, the classification criteria are not met.**- LD/LC50 values relevant for classification:****57-50-1 sucrose**

Oral LD50 29700 mg/kg bw (rat)

128-37-0 2,6-di-tert-butyl-p-cresol (BHT)

Oral LD50 >2930 mg/kg bw (rat)

Dermal LD50 >2000 mg/kg bw (rat) (OECD 402)

Inhalative RD50 59.7 ppm (mouse)
30 min.**56073-10-0 brodifacoum**

Oral LD50 0.4 mg/kg bw (male rat and mouse)

Dermal LD50 3.16 mg/kg bw (rat)

Inhalative LC50/4h 3.05 mg/m³ (rat)**- Primary irritant effect:****- Skin corrosion/irritation** Based on available data, the classification criteria are not met.**- Serious eye damage/irritation** Based on available data, the classification criteria are not met.**- Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.**- Subacute to chronic toxicity:****128-37-0 2,6-di-tert-butyl-p-cresol (BHT)**

Oral NOAEL - subacute toxicity 25 mg/kg bw (rat)

- CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**- Germ cell mutagenicity** Based on available data, the classification criteria are not met.**- Carcinogenicity** Based on available data, the classification criteria are not met.**- Reproductive toxicity****128-37-0 2,6-di-tert-butyl-p-cresol (BHT)**

NOAEL 500 mg/kg bw (rat)

NOAEL (developmental toxicity) 100 mg/kg bw (rat)

56073-10-0 brodifacoum

developmental toxicity

Clear developmental toxicity was not observed in rabbits or rats. However, as a precaution, Brodifacoum should be considered teratogenic to humans because it contains the same chemical moiety responsible for the teratogenicity of warfarin, a known human teratogenic agent, and it has the same mode of action that is a known mechanism of teratogenicity in humans.

May damage the unborn child.

- STOT-single exposure Based on available data, the classification criteria are not met.**- STOT-repeated exposure****56073-10-0 brodifacoum**

Oral NOAEL 0.04 mg/kg bw (rat)

The study reveals that repeated oral exposure results in toxic effects: prothrombin time prolongation, kaolin-caphalin time prolongation, haemorrhage.

Based on the results of the acute dermal and inhalation toxicity studies and route-to-route extrapolation, it is justified to assume a similar concern for serious damage to health by prolonged exposure through dermal and inhalation routes also.

(Contd. on page 8)

Safety data sheet

according to Regulation (EU) 2015/830

Printing date 06.03.2017

Revision: 06.03.2017

Trade name: BRODITOP PASTA BAIT

(Contd. of page 7)

May cause damage to the blood through prolonged or repeated exposure.

- **Aspiration hazard** Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

- 12.1 Toxicity

- Aquatic and/or terrestrial toxicity:

128-37-0 2,6-di-tert-butyl-p-cresol (BHT)

EC50/3h	>10000 mg/l (activated sludge)
IC50/72h	>0.4 mg/l (desmodesmus subspicatus)
LC0/96h	≥ 0.57 mg/l (danio rerio)
NOEC (21d)	0.316 mg/l (daphnia magna)
EC50/48h	0.61 mg/l (daphnia magna)

56073-10-0 brodifacoum

LC50/14d	(eisenia foetida) >994 mg/kg dry weight >879.6 mg/kg wet weight
ErC50/72h	0.04 mg/l (selenastrum capricornutum)
EC10/3h	>0.058 mg/l (activated sludge) Based on water solubility at pH 7 and T=20 °C.
EC10/6h	>0.0038 mg/l (pseudomonas putida) Based on water solubility at pH 5.2 and T=20 °C.
LC50/96h	0.042 mg/l (oncorhynchus mykiss)
LC50 (diet)	0.72 mg/kg food (laughing gull)
NOEC (reproductive toxicity)	0.0038 mg/kg food (bird)
NOEL (reproductive toxicity)	0.000385 mg/kg bw/d (bird)
LD50	0.31 mg/kg bw (mallard duck)
EC50/48h	0.25 mg/l (daphnia magna)

- 12.2 Persistence and degradability

128-37-0 2,6-di-tert-butyl-p-cresol (BHT)

biodegradability	4.5 % (28d)
------------------	-------------

56073-10-0 brodifacoum

biodegradability	Not easily biodegradable. Brodifacoum will probably partition into sewage sludge/sediment due to its high log Kow and poor water solubility.
hydrolytic half-life	>1 year (t 1/2) Stable at pH 5, 7 and 9.
photolytic half-life	0.083 days (t 1/2) Degrades rapidly by photolysis.

- 12.3 Bioaccumulative potential

56073-10-0 brodifacoum

bioconcentration factor	BCF fish = 35645 (calculated according to TGD eq. 75, using log Kow = 6.12). BCF earthworm = 15820 (calculated according to TGD ed. 82d, using log Kow = 6.12).
octanol-water partition coefficient	log Kow = 6.12 (estimated from measured Koc).

- 12.4 Mobility in soil

56073-10-0 brodifacoum

DT50	157 days Persistent.
organic carbon partition coefficient	Koc = 9155 l/kg (pH 7,1-7.6). Immobile in soil.
soil mobility	Under basic conditions (high pH), Brodifacoum is not likely to be adsorbed onto soils or sewage sludge due to the ionisation of the molecule. Under acidic conditions (low pH), Brodifacoum is likely to be adsorbed onto soils or sewage sludge as the molecule is in its neutral or non-ionised form.

(Contd. on page 9)

Safety data sheet

according to Regulation (EU) 2015/830

Printing date 06.03.2017

Revision: 06.03.2017

Trade name: **BRODITOP PASTA BAIT**

(Contd. of page 8)

- General notes:

Hazardous to wildlife.

Do not allow the product to reach ground water, water course or sewage system.

- 12.5 Results of PBT and vPvB assessment

- PBT:	
56073-10-0 brodifacoum	
PBT	Brodifacoum fulfils the P, B and T criteria.
- vPvB:	
56073-10-0 brodifacoum	
vPvB	Brodifacoum fulfils the vP criterion.
- 12.6 Other adverse effects	
56073-10-0 brodifacoum	
.	The major environmental concern of Brodifacoum is primary and secondary poisoning of non-target animals.

SECTION 13: Disposal considerations**- 13.1 Waste treatment methods****- Recommendation**

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Remove all baits after treatment and dispose of them in accordance with local requirements. For information on disposal in the UK contact the Environment Agency (<http://www.environment-agency.gov.uk>) or SEPA (<http://www.sepa.org.uk>).**- Uncleaned packaging:****- Recommendation:** Dispose of in accordance with local requirements.**SECTION 14: Transport information**

- 14.1 UN-Number	
- ADR, ADN, IMDG, IATA	Not applicable
- 14.2 UN proper shipping name	
- ADR, ADN, IMDG, IATA	Not applicable
- 14.3 Transport hazard class(es)	
- ADR, ADN, IMDG, IATA	
- Class	Not applicable
- 14.4 Packing group	
- ADR, IMDG, IATA	Not applicable
- 14.5 Environmental hazards:	Not applicable.
- 14.6 Special precautions for user	Not applicable.
- 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code	
	Not applicable.
- UN "Model Regulation":	Not applicable

SECTION 15: Regulatory information**- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****- Directive 2012/18/EU****- Named dangerous substances - ANNEX I** None of the ingredients is listed.

(Contd. on page 10)

Safety data sheet

according to Regulation (EU) 2015/830

Printing date 06.03.2017

Revision: 06.03.2017

Trade name: BRODITOP PASTA BAIT

(Contd. of page 9)

- **Seveso category** This product is not subject to Seveso directive dispositions.

- **LIST OF SUBSTANCES SUBJECT TO AUTHORISATION (ANNEX XIV)**

The product does not contain any substance included in annex XIV.

- **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 30

- **Other regulations, limitations and prohibitive regulations**

Authorisation holder: ZAPI S.p.A. Via Terza Strada, 12 35026 Conselve (PD) Italy - Tel. +390499597737
Authorisation n° UK-2015-0881-001

- **Substances of very high concern (SVHC) according to REACH, Article 57** None.

- **Regulation (EC) n. 1005/2009: substances that deplete the ozone layer** None.

- **Regulation (EC) n. 850/2004: persistent organic pollutants** None.

- **Substances listed in Regulation (EC) n. 649/2012 (PIC):** None.

- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out for this mixture.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Relevant phrases**

H300 Fatal if swallowed.

H310 Fatal in contact with skin.

H330 Fatal if inhaled.

H360D May damage the unborn child.

H372 Causes damage to organs through prolonged or repeated exposure.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

- **Abbreviations and acronyms:**

RD50: Respiratory Decrease, 50 percent

LC0: Lethal concentration, 0 percent

NOEC: No Observed Effect Concentration

IC50: Inhibitory concentration, 50 percent

NOAEL: No Observed Adverse Effect Level

EC50: Effective concentration, 50 percent

EC10: Effective concentration, 10 percent

AEL: Acceptable Exposure Limit

AEC: Acceptable Exposure Concentration

AEL: Acceptable Exposure Limit

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

SVHC: Substances of Very High Concern

vPvB: very Persistent and very Bioaccumulative

Acute Tox. 1: Acute toxicity – Category 1

Repr. 1A: Reproductive toxicity – Category 1A

STOT RE 1: Specific target organ toxicity (repeated exposure) – Category 1

STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2

Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1

Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1

- **References**

- Regulation (EU) 1179/2016 (9th ATP CLP);

- Biocidal Products Committee (BPC) opinion June 2016 on the active substance;

- Assessment Report on the active substance (available at ECHA website);

- **Sources**

1. 1999/45/EC Directive and following amendments

2. 67/548/EEC Directive and following amendments

(Contd. on page 11)

Safety data sheet

according to Regulation (EU) 2015/830

Printing date 06.03.2017

Revision: 06.03.2017

Trade name: BRODITOP PASTA BAIT

(Contd. of page 10)

3. The E-Pesticide Manual 2.1 Version (2001)
4. 2006/8/EC Directive
5. Regulation (EC) No. 1907/2006 and following amendments
6. Regulation (EC) 1272/2008 and following amendments
7. Regulation (EU) 2015/830
8. Regulation (EU) 528/2012
9. Regulation (EC) 790/2009 (1st ATP CLP)
10. Regulation (EU) 286/2011 (2nd ATP CLP)
11. Regulation (EU) 618/2012 (3rd ATP CLP)
12. Regulation (EU) 487/2013 (4th ATP CLP)
13. Regulation (EU) 944/2013 (5th ATP CLP)
14. Regulation (EU) 605/2014 (6th ATP CLP)
15. Regulation (EU) 1221/2015 (7th ATP CLP)
16. Directive 2012/18/UE (Seveso III)