Barrettine

SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006

ENSELE TANALISED

Version 1.0 / EN | Revision Date 21.11.2013 | Print Date 19.08.2014

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

1.1 Product identifier

Trade name : ENSELE TANALISED

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

Use of the Substance/Mixture : Preservative

1.3 Details of the supplier of the safety data sheet

Company : Barrettine
St. Ivel Way
Warmley
Bristol
BS30 8TY

Telephone : +44 (0)117 960 0060
Telefax : +44 (0)117 935 2437
Responsible/issuing person : sales@barrettine.co.uk
E-mail address

1.4 Emergency telephone number

Emergency telephone number : +44 (0) 870 190 6777

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (67/548/EEC, 1999/45/EC)

Not a hazardous substance or mixture according to EC-directives 67/548/EEC or 1999/45/EC.

2.2 Label elements

Labelling according to EC Directives (1999/45/EC)

S-phrase(s) :

S29	Do not empty into drains.
S35	This material and its container must be disposed of in a safe way.
S37	Wear suitable gloves.

Special labelling of certain mixtures : Safety data sheet available on request for professional users.

2.3 Other hazards

not applicable

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hazardous components

Chemical Name	CAS-No. EC-No. Registration number	Classification (67/548/EEC)	Classification (REGULATION (EC) No 1272/2008)	Concentration [%]
3-Iodo-2-propynylbutylcarbamate	55406-53-6 259-627-5	Xn; R20-R22 Xi; R37 N; R50 Xi; R41 R43	Acute Tox. 4; H332 Acute Tox. 4; H302 Eye Dam. 1; H318 Skin Sens. 1; H317 STOT SE 3; H335 Aquatic Acute 1; H400	< 0.1
Tebuconazole	107534-96-3 4036402	Repr.Cat.3; R63 Xn; R22 N; R51-R53	Repr. 2; H361d Acute Tox. 4; H302 Aquatic Chronic 2; H411	< 0.1
Propiconazole	60207-90-1 262-104-4	Xn; R22 R43 N; R50-R53	Acute Tox. 4; H302 Skin Sens. 1; H317 Aquatic Acute 1; H400 Aquatic Chronic 1; H410	< 0.1
thiacloprid	111988-49-9	Xn; R20-R22 Xn; R40 N; R50-R53	Acute Tox. 4; H332 Acute Tox. 4; H302 Carc. 2; H351 Aquatic Acute 1; H400 Aquatic Chronic 1; H410	< 0.1
2-(2-Butoxyethoxy)ethanol	112-34-5 203-961-6	Xi; R36	Eye Irrit. 2; H319	< 10

For the full text of the R-phrases mentioned in this Section, see Section 16.
For the full text of the H-Statements mentioned in this Section, see Section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice : No hazards which require special first aid measures.

If inhaled : Move to fresh air.

Keep patient warm and at rest.

In case of skin contact	:	Wash off immediately with plenty of water. If on clothes, remove clothes. Wash contaminated clothing before re-use.
In case of eye contact	:	Rinse immediately with plenty of water for at least 15 minutes. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist.
If swallowed	:	Do NOT induce vomiting. Never give anything by mouth to an unconscious person.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms	:	See chapter 11. Toxicological information

4.3 Indication of any immediate medical attention and special treatment needed

Treatment	:	Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media	:	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Carbon dioxide (CO2) Water spray
Unsuitable extinguishing media	:	Do NOT use water jet.

5.2 Special hazards arising from the substance or mixture

Specific hazards during firefighting	:	The product is not flammable. Burning produces noxious and toxic fumes.

5.3 Advice for firefighters

Special protective equipment for firefighters	:	In the event of fire, wear self-contained breathing apparatus.
Further information	:	Standard procedure for chemical fires.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions	:	Avoid contact with the skin and the eyes. Refer to protective measures listed in sections 7 and 8.

6.2 Environmental precautions

Environmental precautions	:	No special environmental precautions required.

6.3 Methods and materials for containment and cleaning up

Methods for cleaning up : After cleaning, flush away traces with water.

: Soak up with inert absorbent material.
Sand
Pick up and transfer to properly labelled containers.
Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

Additional advice : See chapter
8. Exposure controls/personal protection
13. Disposal considerations

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling : For personal protection see section 8.

Advice on protection against fire and explosion : Normal measures for preventive fire protection.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Store in original container.

Other data : No decomposition if stored and applied as directed.

7.3 Specific end uses

Specific use(s) : Preservative

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Components	CAS-No.	Value	Control parameters	Update	Basis
2-(2-Butoxyethoxy)ethanol	112-34-5	TWA	10 ppm 67.5 mg/m3	2006-02-09	2006/15/EC
Further information	: Indicative				
2-(2-Butoxyethoxy)ethanol	112-34-5	STEL	15 ppm 101.2 mg/m3	2006-02-09	2006/15/EC
Further information	: Indicative				
2-(2-Butoxyethoxy)ethanol	112-34-5	OELV - 8 hrs (TWA)	10 ppm 67.5 mg/m3	2007-08-17	IE OEL
Further information	: Where no specific short-term exposure limit is listed, a figure three times the long-term exposure limit value should be used				

		Indicative Occupational Exposure Limit Value			
2-(2-Butoxyethoxy)ethanol	112-34-5	OELV - 15 min (STEL)	15 ppm 101.2 mg/m3	2007-08-17	IE OEL
Further information	:	Where no specific short-term exposure limit is listed, a figure three times the long-term exposure limit value should be used Indicative Occupational Exposure Limit Value			

8.2 Exposure controls

Personal protective equipment

Hand protection : The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.
The choice of an appropriate glove does not only depend on its material but also on other quality features and is different from one producer to the other.
The break through time depends amongst other things on the material, the thickness and the type of glove and therefore has to be measured for each case.
Gloves must be inspected prior to use.
Replace when worn.
Impervious gloves
Nitrile rubber

Eye protection : Wear protective gloves/ protective clothing/ eye protection/ face protection.

Skin and body protection : Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place.
Lightweight protective clothing

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice.
Wash hands before breaks and at the end of workday.

Environmental exposure controls

General advice : No special environmental precautions required.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance : liquid
Colour : green

Flash point	:	Note: does not flash
Lower explosion limit	:	Note: not applicable
Upper explosion limit	:	Note: not applicable
Autoignition temperature	:	Note: not determined
pH	:	7.06
	:	Note: not determined
Vapour pressure	:	Note: not applicable
Density	:	1.0 g/cm3
Water solubility	:	Note: not determined
Partition coefficient: n-octanol/water	:	Note: not applicable
Solubility in other solvents	:	Note: not determined
Viscosity, dynamic	:	220.1 mPas at 20 °C
Relative vapour density	:	Note: not applicable
Surface tension	:	40.7 mN/m at 25 °C
Evaporation rate	:	Note: not determined

9.2 Other information

Oxidising potential	:	Note: Not relevant

SECTION 10: Stability and reactivity

10.1 Reactivity

None known.

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

Hazardous reactions	:	Note: Stable under recommended storage conditions.

10.4 Conditions to avoid

Conditions to avoid	:	None known.

10.5 Incompatible materials

Materials to avoid : Oxidizing agents

10.6 Hazardous decomposition products

Thermal decomposition : Note: None known.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Acute oral toxicity : LD50 Oral
ENSELE TANALISED Dose: estimated > 5,000 mg/kg

Acute oral toxicity

Components	Value	Species	Dose	Method
3-Iodo-2-propynylbutylcarbamate	LD50	rat	300 - 500 mg/kg	

Acute inhalation toxicity

Components	Value	Species	Dose	Exposure time	Method
3-Iodo-2-propynylbutylcarbamate	LC50	rat	0.67 mg/l	4 h	OECD Test Guideline 403

Acute dermal toxicity : LD50 Dermal
ENSELE TANALISED Dose: estimated > 2,000 mg/kg

Acute dermal toxicity

Components	Value	Species	Dose	Method
3-Iodo-2-propynylbutylcarbamate	LD50	rat	> 2,000 mg/kg	OECD Test Guideline 402

Skin corrosion/irritation

Skin irritation : Remarks: Not expected to cause irritation.
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Serious eye damage/eye irritation

Eye irritation : Remarks: Not expected to cause irritation.
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Respiratory or skin sensitization

Sensitisation : Remarks: Not believed to be sensitising to skin.
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Further information : no data available
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SECTION 12: Ecological information

12.1 Toxicity

Toxicity to fish

Components	Value	Species	Dose	Exposure time	Method
3-Iodo-2-propynylbutylcarbamate	LC50	Oncorhynchus mykiss (rainbow trout)	0.072 mg/l	96 h	

Toxicity to daphnia and other aquatic invertebrates.

Components	Value	Species	Dose	Exposure time	Method
3-Iodo-2-propynylbutylcarbamate	EC50	Daphnia magna (Water flea)	0.16 mg/l	48 h	

Toxicity to algae

Components	Value	Species	Dose	Exposure time	Method
3-Iodo-2-propynylbutylcarbamate	static test ErC50	Desmodesmus subspicatus (green algae)	0.053 mg/l	72 h	OECD Test Guideline 201

M-Factor
3-Iodo-2-propynylbutylcarbamate : 10
thiacloprid : 100

Ecotoxicology Assessment

Acute aquatic toxicity : This product has no known eco-toxicological effects.
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12.2 Persistence and degradability

Biodegradability : Remarks: no data available
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Biodegradability
3-Iodo-2-propynylbutylcarbamate : Remarks: Inherently biodegradable.

12.3 Bioaccumulative potential

Bioaccumulation ENSELE TANALISED	:	Remarks: no data available
Bioaccumulation 3-Iodo-2-propynylbutylcarbamate	:	Remarks: Bioaccumulation is unlikely.

12.4 Mobility in soil

Surface tension ENSELE TANALISED	:	40.7 mN/m at 25 °C

12.5 Results of PBT and vPvB assessment

ENSELE TANALISED	:	This mixture contains no substance considered to be persistent, bioaccumulating nor toxic (PBT)., This mixture contains no substance considered to be very persistent nor very bioaccumulating (vPvB).
3-Iodo-2-propynylbutylcarbamate	:	This substance is not considered to be persistent, bioaccumulating nor toxic (PBT)., This substance is not considered to be very persistent nor very bioaccumulating (vPvB).

12.6 Other adverse effects

Additional ecological information ENSELE TANALISED	:	No information on ecology is available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product	:	Dispose of as hazardous waste in compliance with local and national regulations. According to the European Waste Catalogue, Waste Codes are not product specific, but application specific.
Contaminated packaging	:	Dispose of as unused product. Do not re-use empty containers.

SECTION 14: Transport information

Not classified as dangerous in the meaning of transport regulations.

ADR

14.1 UN number	:	Not dangerous goods
14.2 Proper shipping name	:	Not dangerous goods
14.3 Transport hazard class	:	Not dangerous goods
14.4 Packing group	:	Not dangerous goods
14.5 Marine pollutant	:	Not dangerous goods

IATA

14.1 UN number	:	Not dangerous goods
14.2 Proper shipping name	:	Not dangerous goods
14.3 Transport hazard class	:	Not dangerous goods
14.4 Packing group	:	Not dangerous goods
14.5 Marine pollutant	:	Not dangerous goods

IMDG

14.1 UN number	:	Not dangerous goods
14.2 Proper shipping name	:	Not dangerous goods
14.3 Transport hazard class	:	Not dangerous goods
14.4 Packing group	:	Not dangerous goods
14.5 Marine pollutant	:	Not dangerous goods

14.6 Special precautions for user

Other information : not applicable

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Remarks : Not relevant

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Major Accident Hazard Legislation : 96/82/EC Update: 2003
Directive 96/82/EC does not apply

Water contaminating class (Germany) : WGK 1 slightly water endangering

15.2 Chemical Safety Assessment

not applicable

SECTION 16: Other information

The information provided in this 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.