



SAFETY DATA SHEET

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

1.1 Product identifier

- Product Name: Reveal Q+ Max for Ergot Alkaloids Test Kit
- Product Part Number: 8488
This is a summary SDS for a kit only, the components listed in section 16 have their own full SDS
- Chemical Kit containing 25 Reveal Q+ MAX for Ergot Alkaloids test strips
2 bottles of sample diluent
25 MAX 1 Aqueous Extraction packets

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

- Use of the substance/mixture: Intended for the quantitative analysis of rye and rye products, and wheat and wheat products, for ergot alkaloids.; The kit does not contain ergot alkaloids, the kit is designed for the detection of ergot alkaloids
- Use advised against: No information available

1.3 Details of the supplier of the safety data sheet

- Name of Supplier: Neogen Europe Ltd
- Address of Supplier: The Dairy School
Auchincruive
Ayr, Scotland
KA6 5HW
UK
- Telephone: +44 (0) 1292 525 600
- Email: info_uk@neogeneurope.com

1.4 Emergency telephone number

- Emergency Telephone: +44 (0) 1292 525 600

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

- Classification (REGULATION (EC) No 1272/2008) [CLP/GHS]: Not Classified
- Additional information: For full text of Hazard and EU Hazard statements: see section 16

2.2 Label elements

- Symbols: None
- Signal Word: None
- Hazard statements
None
- Precautionary statements
None
- Supplemental Hazard information (EU)
EUH210 - Safety data sheet available on request.

2.3 Other hazards

- Not a PBT according to REACH Annex XIII
- Not a vPvB according to REACH Annex XIII



SECTION 3: Composition/information on ingredients

3.1 Substances

3.2 Mixtures

- Refer to component SDS
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SECTION 4: First aid measures

Refer to component SDS

SECTION 5: Firefighting measures

Refer to component SDS

SECTION 6: Accidental release measures

Refer to component SDS

SECTION 7: Handling and storage

7.1 Precautions for safe handling

- See Section 2.2

7.2 Conditions for safe storage, including any incompatibilities

- Store at ambient temperature

7.3 Specific end use(s)

- Intended for the quantitative analysis of rye and rye products, and wheat and wheat products, for ergot alkaloids.
-

SECTION 8: Exposure controls/personal protection

Refer to component SDS

SECTION 9: Physical and chemical properties

Refer to component SDS

SECTION 10: Stability and reactivity

Refer to component SDS

SECTION 11: Toxicological information

Refer to component SDS

**SECTION 12: Ecological information**

Refer to component SDS

SECTION 13: Disposal considerations

13.1 Waste treatment methods

- Do not discharge into drains or the environment, dispose to an authorised waste collection point
- Refer to manufacturer/supplier for information on recovery/recycling

13.2 Classification

- The waste must be identified according to the List of Wastes (2000/532/EC)
-

SECTION 14: Transport information

Not classified as hazardous for transport

14.1 UN number

- UN No.: Not applicable

14.2 UN proper shipping name

- Proper Shipping Name: Not applicable

14.3 Transport hazard class(es)

- Hazard Class: Not applicable

14.4 Packing group

- Packing Group: Not applicable

14.5 Environmental hazards

- Not Classified

14.6 Special precautions for user

- Not Classified

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

- Not applicable

14.8 Road/Rail (ADR/RID)

- Proper Shipping Name: Not applicable
- ADR UN No.: Not applicable
- ADR Hazard Class: Not applicable
- ADR Packing Group: Not applicable
- Tunnel Code: Not applicable

14.9 Sea (IMDG)

- Proper Shipping Name: Not applicable
- IMDG UN No.: Not applicable
- IMDG Hazard Class: Not applicable
- IMDG Pack Group.: Not applicable

14.10 Air (ICAO/IATA)

- Proper Shipping Name: Not applicable
 - ICAO UN No.: Not applicable
 - ICAO Hazard Class: Not applicable
-



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SECTION 14: Transport information (....)

- ICAO Packing Group: Not applicable

SECTION 15: Regulatory information

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

- This safety data sheet is provided in compliance with REACH Regulation (EC) No 1907/2006 as amended by Regulation (EU) 2015/830
- Regulation (EC) No. 1272/2008 on the classification, labelling and packaging of substances and mixtures (CLP Regulation) applies in Europe

15.2 Chemical safety assessment

- No information available

SECTION 16: Other information

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.

Sources of data: Information from published literature and supplier safety data sheets

Kit Components:

25 Reveal Q+ MAX for Ergot Alkaloids test strips
2 bottles of sample diluent
25 MAX 1 Aqueous Extraction packets

Text not given with phrase codes where they are used elsewhere in this safety data sheet:

- None assigned

--- end of safety datasheet ---



SAFETY DATA SHEET

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

A safety data sheet is not required for this product under Article 31 of REACH. This safety data sheet has been created on a voluntary basis to communicate relevant information.

1.1 Product identifier

- Product Name: Reveal Q+ MAX for Ergot Alkaloids test strips (stripped membrane)
- Product Part Number: N/A
- Product Description: 25 Test Strips

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

- Use of the substance/mixture: Intended for the quantitative analysis of rye and rye products, and wheat and wheat products, for ergot alkaloids.; For professional use only.
- Use advised against: Not for sale to the general public

1.3 Details of the supplier of the safety data sheet

- Name of Supplier: Neogen Europe Ltd
- Address of Supplier: The Dairy School
Auchincruive
Ayr, Scotland
KA6 5HW
UK
- Telephone: +44 (0) 1292 525 600
- Email: info_uk@neogeneurope.com

1.4 Emergency telephone number

- Emergency Telephone: +44 (0) 1292 525 600
-

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

- Classification (REGULATION (EC) No 1272/2008) [CLP/GHS]: Not Classified
- Additional information: For full text of Hazard- and EU Hazard-statements: see section 16

2.2 Label elements

- Symbols: None
- Signal Word: None
- Hazard statements
None
- Precautionary statements
None
- Supplemental Hazard information (EU)
EUH210 - Safety data sheet available on request.

2.3 Other hazards

- Not a PBT according to REACH Annex XIII
 - Not a vPvB according to REACH Annex XIII
-

SECTION 3: Composition/information on ingredients

3.1 Substances



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SECTION 3: Composition/information on ingredients (....)

3.2 Mixtures

Contains the following hazardous ingredients or ingredients with a workplace exposure limit:

Chemical Name	Conc.	CAS Number	EC No.	Classification (REGULATION (EC) No 1272/2008) [CLP/GHS]	REACH Registration Number	WEL /OEL
Sucrose	< 5%	57-50-1	200-334-9	Not Classified	-	Yes
Sodium azide	< 0.1%	26628-22-8	247-852-1	Acute Tox. 2, H300; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; EUH032	-	Yes

SECTION 4: First aid measures

4.1 Description of first aid measures

- Contact with skin
Gently wash with plenty of soap and water.
If skin irritation occurs: Get medical advice/attention.
- Contact with eyes
If substance has got into eyes, immediately wash out with plenty of water for at least 15 minutes
Irrigate eyes thoroughly whilst lifting eyelids
If eye irritation persists: Get medical advice/attention.
- Ingestion
Do NOT induce vomiting.
Rinse mouth with water (do not swallow)
Never give anything by mouth to an unconscious person
IF exposed or concerned: Get medical advice/attention.
- Inhalation
No hazard expected under normal conditions of use
IF exposed or concerned: Get medical advice/attention.

4.2 Most important symptoms and effects, both acute and delayed

- Contact with eyes
Mildly irritating to eyes
- Contact with skin
Mildly irritating to skin
- Ingestion
May cause nausea/vomiting
- Inhalation
No hazard expected under normal conditions of use

4.3 Indication of any immediate medical attention and special treatment needed

- Treat symptomatically

SECTION 5: Firefighting measures

5.1 Extinguishing media

- In case of fire: use alcohol resistant foam or dry agent for extinction
- Unsuitable extinguishing media: high volume water jet



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SECTION 5: Firefighting measures (....)

5.2 Special hazards arising from the substance or mixture

- In case of fire, do not breathe fumes
- Gives off irritating or toxic fumes (or gases) in a fire.
- Decomposition products may include nitrogen and carbon oxides

5.3 Advice for firefighters

- Collect contaminated fire extinguishing water separately. This MUST not be discharged into drains. Prevent fire extinguishing water from contaminating surface or ground water.
- Special protective equipment: Wear self-contained breathing apparatus (SCBA). Wear full protective clothing including chemical protection suit.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

- No action shall be taken involving any personal risk or without suitable training
- Only trained and authorised personnel should carry out emergency response
- Personal precautions for non-emergency personnel: Avoid contact with skin and eyes; Wash thoroughly after handling.
- Personal precautions for emergency responders: Wear protective clothing as per section 8; Wash thoroughly after dealing with spillage

6.2 Environmental precautions

- Avoid release to the environment.
- If contamination of drainage systems or water courses is unavoidable, immediately inform appropriate authorities

6.3 Methods and material for containment and cleaning up

- Collect as much as possible in clean container for reuse or disposal
- Remove contaminated material to safe location for subsequent disposal

6.4 Reference to other sections

- See section(s): 7, 8 & 13

SECTION 7: Handling and storage

7.1 Precautions for safe handling

- Do not eat, drink or smoke when using this product.
- Wash thoroughly after handling.
- Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- Eyewash bottles should be available

7.2 Conditions for safe storage, including any incompatibilities

- Store in a well-ventilated place. Keep container tightly closed.
- Store at ambient temperature
- Keep away from oxidisers, heat, flames or ignition sources
- Protect from sunlight.
- Keep away from food, drink and animal feedingstuffs

7.3 Specific end use(s)

- Intended for the quantitative analysis of rye and rye products, and wheat and wheat products, for ergot alkaloids.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters



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SECTION 8: Exposure controls/personal protection (....)

- For currently recommended monitoring procedures, see HSE series 'Methods for the Determination of Hazardous Substances' (MDHS)
- Sucrose
 - WEL (long term): 10 mg/m³ (UK)
 - WEL (short term): 20 mg/m³ (UK)
- Sodium azide
 - (EU) OELV (long term TWA) 0.1 mg/m³
 - (EU) OELV (short term limit value) 0.3 mg/m³
 - WEL (long term): 0.1 mg/m³ (UK, can be absorbed through the skin)
 - WEL (short term): 0.3 mg/m³ (UK, can be absorbed through the skin)
 - DNEL (inhalational) 164 ug/m³ Industry, Long Term, Systemic Effects
 - DNEL (dermal) 46.7 ug/kg (bw/day) Industry, Long Term, Systemic Effects
 - DNEL (inhalational) 29 ug/m³ Consumer, Long Term, Systemic Effects
 - DNEL (dermal) 16.7 ug/kg (bw/day) Consumer, Long Term, Systemic Effects
 - DNEL (oral) 16.7 ug/kg (bw/day) Consumer, Long Term, Systemic Effects
 - PNEC aqua (freshwater) 350 ng/l
 - PNEC aqua (intermittent releases, freshwater) 3.5 ug/l
 - PNEC aqua (marine water) 15 ng/l
 - PNEC aqua (intermittent releases, marine water) 150 ng/l
 - PNEC (STP) 30 ug/l
 - PNEC sediment (freshwater) 16.7 ug/kg
 - PNEC sediment (marine water) 720 ng/kg

8.2 Exposure controls

- Selection and use of personal protective equipment should be based on a risk assessment of exposure potential
- Engineering controls
 - Engineering controls are not required for normal handling
- Respiratory protection
 - No respiratory protection is needed during normal handling
- Skin protection
 - Wear lab coat
 - Wear disposable gloves
 - The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and standard EN 374.
 - The selection of a suitable glove depends on work conditions and whether the product is present on its own or in combination with other substances. Breakthrough time is dependent on the characteristics of the brand of glove used and the supplier should be consulted.
- Eye/face protection
 - Wear safety glasses approved to standard EN 166.
- Hygiene measures
 - Use good personal hygiene practices
 - Do not eat, drink or smoke when using this product.
 - Wash thoroughly after handling.
 - Eyewash bottles should be available



SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties



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SECTION 9: Physical and chemical properties (....)

- Appearance: Test strip (stripped membrane)
- Odour: No information available
- Odour threshold: No information available
- pH: Not applicable
- Melting point/freezing point: No information available
- Initial boiling point and boiling range: No information available
- Flashpoint: No information available
- Evaporation Rate: No information available
- Flammability (solid,gas): Not applicable
- Upper/lower flammability or explosive limits: No information available
- Vapour Pressure: No information available
- Vapour Density: No information available
- Relative Density: No information available
- Solubility(ies): Not applicable
- Partition Coefficient (n-Octanol/Water): No information available
- Autoignition Temperature: No information available
- Decomposition temperature: No information available
- Viscosity: No information available
- Explosive Properties: No information available
- Oxidising Properties: No information available

9.2 Other information

- No information available
-

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

- No hazardous reactions known if used for its intended purpose

10.2 Chemical stability

- Considered stable under normal conditions

10.3 Possibility of hazardous reactions

- No hazardous reactions known if used for its intended purpose

10.4 Conditions to avoid

- Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

10.5 Incompatible materials

- Incompatible with oxidizing substances

10.6 Hazardous decomposition products

- Decomposition products may include nitrogen and carbon oxides
-

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

- Acute Toxicity
Based on available data, the classification criteria are not met



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SECTION 11: Toxicological information (....)

Chemical Name	LD50 (oral, rat)	LC50 (inhalation, rat)	LD50 (dermal, rabbit)
Sucrose	29 700 mg/kg	No data available	No data available
Sodium azide	27 mg/kg	No data available	20 mg/kg

- 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
- Germ cell mutagenicity
No information available
- Carcinogenicity
No information available
- Reproductive toxicity
No information available
- Specific target organ toxicity (STOT) - single exposure
No information available
- Specific target organ toxicity (STOT) - repeated exposure
No information available
- Aspiration hazard
No information available
- Contact with eyes
May cause redness and irritation
- Contact with skin
May cause irritation
- Ingestion
May cause nausea/vomiting
- Inhalation
No hazard expected under normal conditions of use

SECTION 12: Ecological information
12.1 Toxicity

- Based on available data, the classification criteria are not met
- Sucrose
No data available
- Sodium azide
LC50 (fish) 2.75 - 3.28 mg/l (4 days)
EC50 (aquatic invertebrates) 5 mg/l (48 hr)
EC50 (aquatic algae) 350 ug/l (96 hr)

12.2 Persistence and degradability

- No data available

12.3 Bioaccumulative potential

- No information available

12.4 Mobility in soil

- No information available



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SECTION 12: Ecological information (....)

12.5 Results of PBT and vPvB assessment

- Not a PBT according to REACH Annex XIII
- Not a vPvB according to REACH Annex XIII

12.6 Other adverse effects

- No information available
-

SECTION 13: Disposal considerations

13.1 Waste treatment methods

- Disposal should be in accordance with local, state or national legislation
- Do not discharge into drains or the environment, dispose to an authorised waste collection point
- Refer to manufacturer/supplier for information on recovery/recycling

13.2 Classification

- The waste must be identified according to the List of Wastes (2000/532/EC)
-

SECTION 14: Transport information

Not classified as hazardous for transport

14.1 UN number

- UN No.: Not applicable

14.2 UN proper shipping name

- Proper Shipping Name: Not applicable

14.3 Transport hazard class(es)

- Hazard Class: Not applicable

14.4 Packing group

- Packing Group: Not applicable

14.5 Environmental hazards

- On available data, substance is not harmful to the environment

14.6 Special precautions for user

- Not Classified

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

- Not Classified

14.8 Road/Rail (ADR/RID)

- Proper Shipping Name: Not applicable
- ADR UN No.: Not applicable
- ADR Hazard Class: Not applicable
- ADR Packing Group: Not applicable
- Tunnel Code: Not applicable

14.9 Sea (IMDG)

- Proper Shipping Name: Not applicable
 - IMDG UN No.: Not applicable
 - IMDG Hazard Class: Not applicable
 - IMDG Pack Group.: Not applicable
 - IMDG Flashpoint: Not applicable
-



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SECTION 14: Transport information (....)

14.10 Air (ICAO/IATA)

- Proper Shipping Name: Not applicable
- ICAO UN No.: Not applicable
- ICAO Hazard Class: Not applicable
- ICAO Packing Group: Not applicable

SECTION 15: Regulatory information

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

- This safety data sheet is provided in compliance with REACH Regulation (EC) No 1907/2006 as amended by Regulation (EU) 2015/830
- A safety data sheet is not required for this product under Article 31 of REACH. This safety data sheet has been created on a voluntary basis to communicate relevant information.
- Regulation (EC) No. 1272/2008 on the classification, labelling and packaging of substances and mixtures (CLP Regulation) applies in Europe

15.2 Chemical safety assessment

- A REACH chemical safety assessment has not been carried out

SECTION 16: Other information

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.

Sources of data: Information from published literature and company data

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

- Not classified based on calculation and concentration thresholds

Text not given with phrase codes where they are used elsewhere in this safety data sheet:

- H300: Fatal if swallowed
- H400: Very toxic to aquatic life
- H410: Very toxic to aquatic life with long lasting effects
- EUH032: Contact with acids liberates very toxic gas

Acronyms

- CAS: Chemical Abstracts Service
- DNEL: Derived No-Effect Level
- EC: European Community
- EC50: Effective Concentration, 50%
- GHS: Globally Harmonised System
- LC50: Lethal Concentration, 50%
- LD50: Lethal Dose, 50%
- OEL: Occupational Exposure Limit
- PBT: Persistent, Bioaccumulative and Toxic
- PNEC: Predicted No-Effect Concentration
- REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals
- vPvB: very Persistent and very Bioaccumulative
- WEL: Workplace Exposure Limit

--- end of safety datasheet ---



SAFETY DATA SHEET

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

1.1 Product identifier

- Product Name: Reveal Q+Max for Ergot Alkaloids Sample Diluent
- Product Part Number: N/A
- Product Description: 2 x 25 ml bottles of sample diluent

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

- Use of the substance/mixture: Intended for the quantitative analysis of rye and rye products, and wheat and wheat products, for ergot alkaloids; For professional use only.
- Use advised against: Not for sale to the general public

1.3 Details of the supplier of the safety data sheet

- Name of Supplier: Neogen Europe Ltd
- Address of Supplier: The Dairy School
Auchincruive
Ayr, Scotland
KA6 5HW
UK
- Telephone: +44 (0) 1292 525 600
- Email: info_uk@neogeneurope.com

1.4 Emergency telephone number

- Emergency Telephone: +44 (0) 1292 525 600

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

- Classification (REGULATION (EC) No 1272/2008) [CLP/GHS]: Not Classified
- Additional information: For full text of Hazard- and EU Hazard-statements: see section 16

2.2 Label elements

- Symbols: None
- Signal Word: None
- Hazard statements
None
- Precautionary statements
None
- Supplemental Hazard information (EU)
EUH210 - Safety data sheet available on request.

2.3 Other hazards

- Not a PBT according to REACH Annex XIII
- Not a vPvB according to REACH Annex XIII

SECTION 3: Composition/information on ingredients

3.1 Substances

3.2 Mixtures



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SECTION 3: Composition/information on ingredients (....)

Contains the following hazardous ingredients or ingredients with a workplace exposure limit:

Chemical Name	Conc.	CAS No.	EC No.	Classification (REGULATION (EC) No 1272/2008) [CLP/GHS]	REACH Registration Number	WEL /OEL
Bovine serum albumin (BSA); albumins, blood serum	< 5%	9048-46-8	232-936-2	Acute Tox. 4, H302	-	No
Sodium azide	< 0.1%	26628-22-8	247-852-1	Acute Tox. 2, H300; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; EUH032	-	Yes

SECTION 4: First aid measures

4.1 Description of first aid measures

- Contact with skin
Remove contaminated clothing immediately and drench affected skin with plenty of water. Then wash with soap and water
If skin irritation occurs: Get medical advice/attention.
- Contact with eyes
If substance has got into eyes, immediately wash out with plenty of water for at least 15 minutes
Irrigate eyes thoroughly whilst lifting eyelids
If eye irritation persists: Get medical advice/attention.
- Ingestion
Do NOT induce vomiting.
Rinse mouth with water (do not swallow)
Never give anything by mouth to an unconscious person
IF exposed or concerned: Get medical advice/attention.
- Inhalation
If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
IF exposed or concerned: Get medical advice/attention.

4.2 Most important symptoms and effects, both acute and delayed

- Contact with eyes
Mildly irritating to eyes
- Contact with skin
Mildly irritating to skin
- Ingestion
The ingestion of significant quantities may cause dizziness, confusion, headache or stupor
May cause gastro-intestinal disturbances
- Inhalation
In cases of severe exposure, irritation of the respiratory tract may develop

4.3 Indication of any immediate medical attention and special treatment needed

- Treat symptomatically

SECTION 5: Firefighting measures

5.1 Extinguishing media



Revision: 23 August 2019

SECTION 5: Firefighting measures (....)

- In case of fire: use alcohol resistant foam or dry agent for extinction
- Unsuitable extinguishing media: high volume water jet

5.2 Special hazards arising from the substance or mixture

- In case of fire, do not breathe fumes
- Gives off irritating or toxic fumes (or gases) in a fire.
- Decomposition products may include nitrogen and carbon oxides

5.3 Advice for firefighters

- Keep container(s) exposed to fire cool, by spraying with water
- Collect contaminated fire extinguishing water separately. This MUST not be discharged into drains. Prevent fire extinguishing water from contaminating surface or ground water.
- Smoke from fires is toxic. Take precautions to protect personnel from exposure
- Special protective equipment: Wear self-contained breathing apparatus (SCBA). Wear full protective clothing including chemical protection suit.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

- No action shall be taken involving any personal risk or without suitable training
- Only trained and authorised personnel should carry out emergency response
- Personal precautions for non-emergency personnel: Avoid breathing vapours, mist or gas; Avoid contact with skin and eyes; Contaminated clothing should be laundered before reuse; Wash thoroughly after dealing with spillage; Eyewash bottles should be available
- Personal precautions for emergency responders: Evacuate the area and keep personnel upwind; Rescuers should put on approved respiratory protection before entering the area to render first aid; Wear protective clothing as per section 8; Wash thoroughly after dealing with spillage

6.2 Environmental precautions

- Avoid release to the environment.
- If contamination of drainage systems or water courses is unavoidable, immediately inform appropriate authorities

6.3 Methods and material for containment and cleaning up

- In case of leakage, eliminate all ignition sources.
- Stop leak if safe to do so.
- Small spills
 - Wipe up spillage with damp absorbent cloth or towel
 - Place in sealable container
- Large spills
 - Absorb spillage in inert material and shovel up
 - Place in sealable container
 - Seal containers and label them
 - Remove contaminated material to safe location for subsequent disposal
 - Ventilate the area and wash spill site after material pick-up is complete

6.4 Reference to other sections

- See section(s): 7, 8 & 13

SECTION 7: Handling and storage

7.1 Precautions for safe handling

- Do not eat, drink or smoke when using this product.
- Do not get in eyes, on skin, or on clothing.
- Avoid breathing vapours, mist or gas
- Ensure adequate ventilation
- Wash thoroughly after handling.



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SECTION 7: Handling and storage (....)

- Contaminated clothing should be laundered before reuse
- Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- Eyewash bottles should be available

7.2 Conditions for safe storage, including any incompatibilities

- Store in a well-ventilated place. Keep container tightly closed.
- Store at ambient temperature
- Keep away from oxidisers, heat, flames or ignition sources
- Protect from sunlight.
- Keep away from food, drink and animal feedingstuffs

7.3 Specific end use(s)

- Intended for the quantitative analysis of rye and rye products, and wheat and wheat products, for ergot alkaloids.
-

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

- For currently recommended monitoring procedures, see HSE series 'Methods for the Determination of Hazardous Substances' (MDHS)
- Bovine serum albumin
No exposure limits have been set for this substance
- Sodium azide
 - (EU) OELV (long term TWA) 0.1 mg/m³
 - (EU) OELV (short term limit value) 0.3 mg/m³
 - WEL (long term): 0.1 mg/m³ (UK, can be absorbed through the skin)
 - WEL (short term): 0.3 mg/m³ (UK, can be absorbed through the skin)
 - DNEL (inhalational) 164 ug/m³ Industry, Long Term, Systemic Effects
 - DNEL (dermal) 46.7 ug/kg (bw/day) Industry, Long Term, Systemic Effects
 - DNEL (inhalational) 29 ug/m³ Consumer, Long Term, Systemic Effects
 - DNEL (dermal) 16.7 ug/kg (bw/day) Consumer, Long Term, Systemic Effects
 - DNEL (oral) 16.7 ug/kg (bw/day) Consumer, Long Term, Systemic Effects
 - PNEC aqua (freshwater) 350 ng/l
 - PNEC aqua (intermittent releases, freshwater) 3.5 ug/l
 - PNEC aqua (marine water) 15 ng/l
 - PNEC aqua (intermittent releases, marine water) 150 ng/l
 - PNEC (STP) 30 ug/l
 - PNEC sediment (freshwater) 16.7 ug/kg
 - PNEC sediment (marine water) 720 ng/kg

8.2 Exposure controls

- Selection and use of personal protective equipment should be based on a risk assessment of exposure potential
 - Engineering controls
Engineering controls should be provided which maintain airborne concentrations below the relevant guidelines
Use local exhaust ventilation and/or enclosures.
 - Respiratory protection
No respiratory protection is needed during normal handling
In case of insufficient ventilation, wear suitable respiratory equipment
Where a reusable half mask respirator is required, use EN 140, with gas/vapour filter EN 14387 type ABEK, or EN 405; EN 1827 and EN 143 particle filter
 - Skin protection
Wear lab coat
Wear disposable gloves
The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and standard EN 374.
The selection of a suitable glove depends on work conditions and whether the product is present
-



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SECTION 8: Exposure controls/personal protection (....)

on its own or in combination with other substances. Breakthrough time is dependent on the characteristics of the brand of glove used and the supplier should be consulted.

- Eye/face protection
Wear safety glasses approved to standard EN 166.
- Hygiene measures
Use good personal hygiene practices
Do not eat, drink or smoke when using this product.
Wash thoroughly after handling.
Eyewash bottles should be available



SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

- Appearance: Aqueous solution; clear & colourless
- Odour: No information available
- Odour threshold: No information available
- pH: 8.0 ± 0.5
- Melting point/freezing point: No information available
- Initial boiling point and boiling range: No information available
- Flashpoint: No information available
- Evaporation Rate: No information available
- Flammability (solid,gas): Not applicable
- Upper/lower flammability or explosive limits: No information available
- Vapour Pressure: No information available
- Vapour Density: No information available
- Relative Density: No information available
- Solubility(ies): Soluble in water
- Partition Coefficient (n-Octanol/Water): No information available
- Autoignition Temperature: No information available
- Decomposition temperature: No information available
- Viscosity: No information available
- Explosive Properties: No information available
- Oxidising Properties: No information available

9.2 Other information

- No information available

SECTION 10: Stability and reactivity

10.1 Reactivity

- No hazardous reactions known if used for its intended purpose

10.2 Chemical stability

- Considered stable under normal conditions

10.3 Possibility of hazardous reactions

- No hazardous reactions known if used for its intended purpose

10.4 Conditions to avoid



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SECTION 10: Stability and reactivity (....)

- Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

10.5 Incompatible materials

- Incompatible with oxidizing substances

10.6 Hazardous decomposition products

- Decomposition products may include nitrogen and carbon oxides
 - Decomposition products may include sodium oxides
-

SECTION 11: Toxicological information

11.1 Information on toxicological effects

- Acute Toxicity
Based on available data, the classification criteria are not met

Chemical Name	LD50 (oral, rat)	LC50 (inhalation, rat)	LD50 (dermal, rabbit)
Bovine serum albumin	No data available	No data available	No data available
Sodium azide	27 mg/kg	No data available	20 mg/kg

- 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
 - Germ cell mutagenicity
No information available
 - Carcinogenicity
No information available
 - Reproductive toxicity
No information available
 - Specific target organ toxicity (STOT) - single exposure
No information available
 - Specific target organ toxicity (STOT) - repeated exposure
No information available
 - Aspiration hazard
No information available
 - Contact with eyes
May cause redness and irritation
 - Contact with skin
May cause irritation
 - Ingestion
The ingestion of significant quantities may cause dizziness, confusion, headache or stupor
May cause gastro-intestinal disturbances
 - Inhalation
In cases of severe exposure, irritation of the respiratory tract may develop
-

SECTION 12: Ecological information



SECTION 12: Ecological information (....)

12.1 Toxicity

- Based on available data, the classification criteria are not met
- Bovine serum albumin
No data available
- Sodium azide
LC50 (fish) 2.75 - 3.28 mg/l (4 days)
EC50 (aquatic invertebrates) 5 mg/l (48 hr)
EC50 (aquatic algae) 350 ug/l (96 hr)

12.2 Persistence and degradability

- No data available

12.3 Bioaccumulative potential

- No information available

12.4 Mobility in soil

- No information available

12.5 Results of PBT and vPvB assessment

- Not a PBT according to REACH Annex XIII
- Not a vPvB according to REACH Annex XIII

12.6 Other adverse effects

- No information available

SECTION 13: Disposal considerations

13.1 Waste treatment methods

- Disposal should be in accordance with local, state or national legislation
- Do not discharge into drains or the environment, dispose to an authorised waste collection point
- Refer to manufacturer/supplier for information on recovery/recycling

13.2 Classification

- The waste must be identified according to the List of Wastes (2000/532/EC)

SECTION 14: Transport information

Not classified as hazardous for transport

14.1 UN number

- UN No.: Not applicable

14.2 UN proper shipping name

- Proper Shipping Name: Not applicable

14.3 Transport hazard class(es)

- Hazard Class: Not applicable

14.4 Packing group

- Packing Group: Not applicable

14.5 Environmental hazards

- On available data, substance is not harmful to the environment

14.6 Special precautions for user

- Not Classified



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SECTION 14: Transport information (....)

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

- Not Classified

14.8 Road/Rail (ADR/RID)

- Proper Shipping Name: Not applicable
- ADR UN No.: Not applicable
- ADR Hazard Class: Not applicable
- ADR Packing Group: Not applicable
- Tunnel Code: Not applicable

14.9 Sea (IMDG)

- Proper Shipping Name: Not applicable
- IMDG UN No.: Not applicable
- IMDG Hazard Class: Not applicable
- IMDG Pack Group.: Not applicable
- IMDG Flashpoint: Not applicable

14.10 Air (ICAO/IATA)

- Proper Shipping Name: Not applicable
- ICAO UN No.: Not applicable
- ICAO Hazard Class: Not applicable
- ICAO Packing Group: Not applicable

SECTION 15: Regulatory information

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

- This safety data sheet is provided in compliance with REACH Regulation (EC) No 1907/2006 as amended by Regulation (EU) 2015/830
- Regulation (EC) No. 1272/2008 on the classification, labelling and packaging of substances and mixtures (CLP Regulation) applies in Europe

15.2 Chemical safety assessment

- A REACH chemical safety assessment has not been carried out

SECTION 16: Other information

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.

Sources of data: Information from published literature and company data

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

- Not classified based on calculation and concentration thresholds

Text not given with phrase codes where they are used elsewhere in this safety data sheet:

- H300: Fatal if swallowed
- H302: Harmful if swallowed
- H400: Very toxic to aquatic life
- H410: Very toxic to aquatic life with long lasting effects
- EUH032: Contact with acids liberates very toxic gas



SECTION 16: Other information (....)

Acronyms

- CAS: Chemical Abstracts Service
- DNEL: Derived No-Effect Level
- EC: European Community
- EC50: Effective Concentration, 50%
- GHS: Globally Harmonised System
- LC50: Lethal Concentration, 50%
- LD50: Lethal Dose, 50%
- OEL: Occupational Exposure Limit
- PBT: Persistent, Bioaccumulative and Toxic
- PNEC: Predicted No-Effect Concentration
- REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals
- vPvB: very Persistent and very Bioaccumulative
- WEL: Workplace Exposure Limit

--- end of safety datasheet ---



SAFETY DATA SHEET

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

1.1 Product identifier

- Product Name: Reveal Q+ MAX for Ergot Alkaloids MAX 1 Aqueous Extraction packets
- Product Part Number: 8089
- Product Description: 25 MAX 1 Aqueous Extraction packets

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

- Use of the substance/mixture: Intended for the quantitative analysis of rye and rye products, and wheat and wheat products, for ergot alkaloids.; For professional use only.
- Use advised against: Not for sale to the general public

1.3 Details of the supplier of the safety data sheet

- Name of Supplier: Neogen Europe Ltd
- Address of Supplier: The Dairy School
Auchincruive
Ayr, Scotland
KA6 5HW
UK
- Telephone: +44 (0) 1292 525 600
- Email: info_uk@neogeneurope.com

1.4 Emergency telephone number

- Emergency Telephone: +44 (0) 1292 525 600
-

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

- Classification (REGULATION (EC) No 1272/2008) [CLP/GHS]: Not Classified
- Additional information: For full text of Hazard- and EU Hazard-statements: see section 16

2.2 Label elements

- Symbols: None
- Signal Word: None
- Hazard statements
None
- Precautionary statements
None
- Supplemental Hazard information (EU)
EUH210 - Safety data sheet available on request.

2.3 Other hazards

- Not a PBT according to REACH Annex XIII
 - Not a vPvB according to REACH Annex XIII
-

SECTION 3: Composition/information on ingredients

3.1 Substances

3.2 Mixtures



Revision: 23 August 2019

SECTION 3: Composition/information on ingredients (....)

Contains the following hazardous ingredients or ingredients with a workplace exposure limit:

- Microcrystalline cellulose
 - Concentration: < 50%
 - CAS Number: 9004-34-6
 - EC Number: 232-674-9
 - Classification (REGULATION (EC) No 1272/2008) [CLP/GHS]: Not Classified
 - Substance with a workplace exposure limit, see Section 8
-

SECTION 4: First aid measures

4.1 Description of first aid measures

- Contact with skin
 - Remove contaminated clothing immediately and drench affected skin with plenty of water. Then wash with soap and water
 - If skin irritation occurs: Get medical advice/attention.
- Contact with eyes
 - If substance has got into eyes, immediately wash out with plenty of water for at least 15 minutes
 - Irrigate eyes thoroughly whilst lifting eyelids
 - If eye irritation persists: Get medical advice/attention.
- Ingestion
 - Do NOT induce vomiting.
 - Rinse mouth with water (do not swallow)
 - Never give anything by mouth to an unconscious person
 - IF exposed or concerned: Get medical advice/attention.
- Inhalation
 - If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
 - IF exposed or concerned: Get medical advice/attention.

4.2 Most important symptoms and effects, both acute and delayed

- Contact with eyes
 - Mildly irritating to eyes
- Contact with skin
 - Mildly irritating to skin
- Ingestion
 - May cause nausea/vomiting
- Inhalation
 - In cases of severe exposure, irritation of the respiratory tract may develop

4.3 Indication of any immediate medical attention and special treatment needed

- Treat symptomatically
-

SECTION 5: Firefighting measures

5.1 Extinguishing media

- Not flammable. In case of fire use extinguishing media appropriate to surrounding conditions
- Unsuitable extinguishing media: high volume water jet

5.2 Special hazards arising from the substance or mixture

- In case of fire, do not breathe fumes
 - Gives off irritating or toxic fumes (or gases) in a fire.
 - May form explosive dust/air mixtures
-



Revision: 23 August 2019

SECTION 5: Firefighting measures (....)

5.3 Advice for firefighters

- Collect contaminated fire extinguishing water separately. This MUST not be discharged into drains. Prevent fire extinguishing water from contaminating surface or ground water.
 - Special protective equipment: Wear self-contained breathing apparatus (SCBA). Wear full protective clothing including chemical protection suit.
-

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

- No action shall be taken involving any personal risk or without suitable training
- Only trained and authorised personnel should carry out emergency response
- Personal precautions for non-emergency personnel: Do not breathe dust; Avoid contact with skin and eyes; Contaminated clothing should be laundered before reuse; Wash thoroughly after dealing with spillage; Eyewash bottles should be available
- Personal precautions for emergency responders: Evacuate the area and keep personnel upwind; Rescuers should put on approved respiratory protection before entering the area to render first aid; Wear protective clothing as per section 8; Wash thoroughly after dealing with spillage

6.2 Environmental precautions

- Avoid release to the environment.
- If contamination of drainage systems or water courses is unavoidable, immediately inform appropriate authorities

6.3 Methods and material for containment and cleaning up

- In case of leakage, eliminate all ignition sources.
- Avoid formation of dust
- Small spills
 - Wipe up spillage with damp absorbent cloth or towel
 - Place in sealable container
- Large spills
 - Prevent formation of dust
 - Sweep or shovel-up spillage and remove to a safe place
 - Place in sealable container
 - Seal containers and label them
 - Remove contaminated material to safe location for subsequent disposal
 - Ventilate the area and wash spill site after material pick-up is complete

6.4 Reference to other sections

- See section(s): 7, 8 & 13
-

SECTION 7: Handling and storage

7.1 Precautions for safe handling

- Avoid raising dust
- Do not eat, drink or smoke when using this product.
- Do not get in eyes, on skin, or on clothing.
- Ensure adequate ventilation
- Wear protective clothing as per section 8
- Wash thoroughly after handling.
- Contaminated clothing should be laundered before reuse
- Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- Eyewash bottles should be available

7.2 Conditions for safe storage, including any incompatibilities

- Store in a well-ventilated place. Keep container tightly closed.
 - Store at ambient temperature
-



Revision: 23 August 2019

SECTION 7: Handling and storage (....)

- Keep away from oxidisers, heat, flames or ignition sources
- Protect from sunlight.
- Keep away from food, drink and animal feedingstuffs

7.3 Specific end use(s)

- Intended for the quantitative analysis of rye and rye products, and wheat and wheat products, for ergot alkaloids.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

- For currently recommended monitoring procedures, see HSE series 'Methods for the Determination of Hazardous Substances' (MDHS)
- Microcrystalline cellulose
 - WEL (long term): 10 mg/m³ (UK, inhalable dust)
 - WEL (long term): 4 mg/m³ (UK, respirable dust)
 - WEL (short term): 20 mg/m³ (UK, inhalable dust)

8.2 Exposure controls

- Selection and use of personal protective equipment should be based on a risk assessment of exposure potential
- Engineering controls
 - Engineering controls should be provided which maintain airborne concentrations below the relevant guidelines
 - Use local exhaust ventilation and/or enclosures.
- Respiratory protection
 - No respiratory protection is needed during normal handling
 - In case of insufficient ventilation, wear suitable respiratory equipment
 - Where a reusable half mask respirator is required, use EN 140 mask and EN 143 particle filter, or EN 1827
- Skin protection
 - Wear lab coat
 - Wear disposable gloves
 - The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and standard EN 374.
 - The selection of a suitable glove depends on work conditions and whether the product is present on its own or in combination with other substances. Breakthrough time is dependent on the characteristics of the brand of glove used and the supplier should be consulted.
- Eye/face protection
 - Wear safety glasses approved to standard EN 166.
- Hygiene measures
 - Use good personal hygiene practices
 - Do not eat, drink or smoke when using this product.
 - Wash thoroughly after handling.
 - Eyewash bottles should be available



SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties



Revision: 23 August 2019

SECTION 9: Physical and chemical properties (....)

- Appearance: White powder
- Odour: No information available
- Odour threshold: No information available
- pH: No information available
- Melting point/freezing point: No information available
- Initial boiling point and boiling range: No information available
- Flashpoint: No information available
- Evaporation Rate: No information available
- Flammability (solid,gas): Not applicable
- Upper/lower flammability or explosive limits: No information available
- Vapour Pressure: No information available
- Vapour Density: No information available
- Relative Density: No information available
- Solubility(ies): No information available
- Partition Coefficient (n-Octanol/Water): No information available
- Autoignition Temperature: No information available
- Decomposition temperature: No information available
- Viscosity: No information available
- Explosive Properties: No information available
- Oxidising Properties: No information available

9.2 Other information

- No information available
-

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

- No hazardous reactions known if used for its intended purpose

10.2 Chemical stability

- Considered stable under normal conditions

10.3 Possibility of hazardous reactions

- No hazardous reactions known if used for its intended purpose

10.4 Conditions to avoid

- Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

10.5 Incompatible materials

- Incompatible with oxidizing substances

10.6 Hazardous decomposition products

- Decomposition products may include nitrogen and carbon oxides
-

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

- Acute Toxicity
Based on available data, the classification criteria are not met
LD50 (oral, rat) (microcrystalline cellulose) > 5 000 mg/kg bw
LC50 (inhalation, rat) (microcrystalline cellulose) 5.8 mg/l/4h
LD50 (dermal, rabbit) (microcrystalline cellulose) > 2 000 mg/kg bw
 - Skin corrosion/irritation
Based on available data, the classification criteria are not met
-



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SECTION 11: Toxicological information (....)

- 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
- Germ cell mutagenicity
No information available
- Carcinogenicity
No information available
- Reproductive toxicity
No information available
- Specific target organ toxicity (STOT) - single exposure
No information available
- Specific target organ toxicity (STOT) - repeated exposure
No information available
- Aspiration hazard
No information available
- Contact with eyes
May cause redness and irritation
- Contact with skin
May cause irritation
- Ingestion
May cause nausea/vomiting
- Inhalation
In cases of severe exposure, irritation of the respiratory tract may develop

SECTION 12: Ecological information

12.1 Toxicity

- Based on available data, the classification criteria are not met
- Microcrystalline cellulose
No data available

12.2 Persistence and degradability

- No data available

12.3 Bioaccumulative potential

- No information available

12.4 Mobility in soil

- No information available

12.5 Results of PBT and vPvB assessment

- Not a PBT according to REACH Annex XIII
- Not a vPvB according to REACH Annex XIII

12.6 Other adverse effects

- No information available

SECTION 13: Disposal considerations

13.1 Waste treatment methods

- Disposal should be in accordance with local, state or national legislation



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SECTION 13: Disposal considerations (....)

- Do not discharge into drains or the environment, dispose to an authorised waste collection point
- Refer to manufacturer/supplier for information on recovery/recycling

13.2 Classification

- The waste must be identified according to the List of Wastes (2000/532/EC)
-

SECTION 14: Transport information

Not classified as hazardous for transport

14.1 UN number

- UN No.: Not applicable

14.2 UN proper shipping name

- Proper Shipping Name: Not applicable

14.3 Transport hazard class(es)

- Hazard Class: Not applicable

14.4 Packing group

- Packing Group: Not applicable

14.5 Environmental hazards

- On available data, substance is not harmful to the environment

14.6 Special precautions for user

- Not Classified

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

- Not Classified

14.8 Road/Rail (ADR/RID)

- Proper Shipping Name: Not applicable
- ADR UN No.: Not applicable
- ADR Hazard Class: Not applicable
- ADR Packing Group: Not applicable
- Tunnel Code: Not applicable

14.9 Sea (IMDG)

- Proper Shipping Name: Not applicable
- IMDG UN No.: Not applicable
- IMDG Hazard Class: Not applicable
- IMDG Pack Group.: Not applicable
- IMDG Flashpoint: Not applicable

14.10 Air (ICAO/IATA)

- Proper Shipping Name: Not applicable
 - ICAO UN No.: Not applicable
 - ICAO Hazard Class: Not applicable
 - ICAO Packing Group: Not applicable
-

SECTION 15: Regulatory information

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



Revision: 23 August 2019

SECTION 15: Regulatory information (....)

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15.2 Chemical safety assessment

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SECTION 16: Other information

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Sources of data: Information from published literature and company data

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

- Not classified based on calculation and concentration thresholds

Text not given with phrase codes where they are used elsewhere in this safety data sheet:

- None assigned

Acronyms

- CAS: Chemical Abstracts Service
- DNEL: Derived No-Effect Level
- EC: European Community
- EC50: Effective Concentration, 50%
- GHS: Globally Harmonised System
- LC50: Lethal Concentration, 50%
- LD50: Lethal Dose, 50%
- OEL: Occupational Exposure Limit
- PBT: Persistent, Bioaccumulative and Toxic
- PNEC: Predicted No-Effect Concentration
- REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals
- vPvB: very Persistent and very Bioaccumulative
- WEL: Workplace Exposure Limit

--- end of safety datasheet ---
