



## SAFETY DATA SHEET

### CELLOSIZE TEXTURE E50 HYDROXYPROPYL METHYLCELLULOSE

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

##### 1.1. Product identifier

|                          |                                                                                                                                                   |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| Product name             | CELLOSIZE TEXTURE E50 HYDROXYPROPYL METHYLCELLULOSE                                                                                               |
| Product number           | 61998                                                                                                                                             |
| REACH registration notes | Exempt -polymer exempt by Article 2(9) This product is not classified as hazardous, the information in this datasheet is given for guidance only. |
| CAS number               | 9004-65-3                                                                                                                                         |

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

|                 |                                              |
|-----------------|----------------------------------------------|
| Identified uses | Thickener Binder Film Former Processing aid. |
|-----------------|----------------------------------------------|

##### 1.3. Details of the supplier of the safety data sheet

|          |                                                                                                                                                                     |
|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Supplier | Univar Solutions UK Ltd<br>Aquarius House<br>6 Mid Point Business Park<br>Bradford<br>BD3 7AY<br>+44 1274 267300<br>+44 1274 267306<br>SDS.EMEA@univarsolutions.com |
|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|

##### 1.4. Emergency telephone number

|                     |                                |
|---------------------|--------------------------------|
| Emergency telephone | SGS - +32 (0)3 575 55 55 (24h) |
| Sds No.             | 61998                          |

#### SECTION 2: Hazards identification

##### 2.1. Classification of the substance or mixture

###### Classification (EC 1272/2008)

|                       |                |
|-----------------------|----------------|
| Physical hazards      | Not Classified |
| Health hazards        | Not Classified |
| Environmental hazards | Not Classified |

##### 2.2. Label elements

|                   |                   |
|-------------------|-------------------|
| Hazard statements | NC Not Classified |
|-------------------|-------------------|

##### 2.3. Other hazards

Dust may form explosive mixture with air. This substance is not classified as PBT or vPvB according to current EU criteria.

#### SECTION 3: Composition/information on ingredients

##### 3.1. Substances

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|                                |                                   |
|--------------------------------|-----------------------------------|
| HYDROXYPROPYL METHYL CELLULOSE | <b>&gt;= 85.0 - &lt;= 100.0 %</b> |
| CAS number: 9004-65-3          |                                   |
| <b>Classification</b>          |                                   |
| Not Classified                 |                                   |

The full text for all hazard statements is displayed in Section 16.

|                                 |                                                                                                                                                   |
|---------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product name</b>             | CELLOSIZE TEXTURE E50 HYDROXYPROPYL METHYLCELLULOSE                                                                                               |
| <b>REACH registration notes</b> | Exempt -polymer exempt by Article 2(9) This product is not classified as hazardous, the information in this datasheet is given for guidance only. |
| <b>CAS number</b>               | 9004-65-3                                                                                                                                         |
| <b>Composition comments</b>     | The data shown are in accordance with the latest EC Directives.                                                                                   |

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

|                            |                                                                                                                                                                                                                                                                                    |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>General information</b> | Wear protective clothing as described in Section 8 of this safety data sheet.                                                                                                                                                                                                      |
| <b>Inhalation</b>          | Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Rinse nose and mouth with water. Get medical attention if any discomfort continues.                                                                                           |
| <b>Ingestion</b>           | Rinse mouth thoroughly with water. Do not induce vomiting. Get medical attention if any discomfort continues.                                                                                                                                                                      |
| <b>Skin contact</b>        | Remove affected person from source of contamination. After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water. Get medical attention if any discomfort continues. Wash clothing and clean shoes thoroughly before reuse. |
| <b>Eye contact</b>         | Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.                                                                                       |

### 4.2. Most important symptoms and effects, both acute and delayed

|                    |                                                                      |
|--------------------|----------------------------------------------------------------------|
| <b>Eye contact</b> | Solid particles trapped behind the eyelid may cause abrasive damage. |
|--------------------|----------------------------------------------------------------------|

### 4.3. Indication of any immediate medical attention and special treatment needed

|                             |                                                                     |
|-----------------------------|---------------------------------------------------------------------|
| <b>Notes for the doctor</b> | Treat symptomatically. If in doubt, get medical attention promptly. |
|-----------------------------|---------------------------------------------------------------------|

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

|                                       |                                                                                               |
|---------------------------------------|-----------------------------------------------------------------------------------------------|
| <b>Suitable extinguishing media</b>   | Extinguish with the following media: Water. Dry chemicals. Carbon dioxide (CO <sub>2</sub> ). |
| <b>Unsuitable extinguishing media</b> | Do not use water jet as an extinguisher, as this will spread the fire.                        |

### 5.2. Special hazards arising from the substance or mixture

|                                      |                                                                                                                                                                                                                                                                                                                                               |
|--------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Specific hazards</b>              | Avoid generation and spreading of dust. When heated and in case of fire, irritating vapours/gases may be formed. Avoid heat, flames and other sources of ignition. Can form dust clouds that may explode on contact with flames, heat and oxidisers. Ground/bond container and receiving equipment. Dust may form explosive mixture with air. |
| <b>Hazardous combustion products</b> | Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours. Oxides of the following substances: Carbon.                                                                                                                                                                                                  |

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### 5.3. Advice for firefighters

#### **Protective actions during firefighting**

No action shall be taken without appropriate training or involving any personal risk. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Contain and collect extinguishing water. Dust may form explosive mixture with air. Evacuate area.

#### **Special protective equipment for firefighters**

Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

## **SECTION 6: Accidental release measures**

### 6.1. Personal precautions, protective equipment and emergency procedures

#### **Personal precautions**

Provide adequate ventilation. Wear protective clothing as described in Section 8 of this safety data sheet. Follow precautions for safe handling described in this safety data sheet. Avoid inhalation of dust and contact with skin and eyes. Keep unnecessary and unprotected personnel away from the spillage. Take care as floors and other surfaces may become slippery. Evacuate area.

### 6.2. Environmental precautions

#### **Environmental precautions**

Do not discharge into drains or watercourses or onto the ground. Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.

### 6.3. Methods and material for containment and cleaning up

#### **Methods for cleaning up**

Avoid generation and spreading of dust. Remove spillage with vacuum cleaner or collect with a shovel and broom, or similar. Collect and place in suitable waste disposal containers and seal securely. Label the containers containing waste and contaminated materials and remove from the area as soon as possible. Do not flush away residues with water.

### 6.4. Reference to other sections

#### **Reference to other sections**

Wear protective clothing as described in Section 8 of this safety data sheet. For waste disposal, see Section 13.

## **SECTION 7: Handling and storage**

### 7.1. Precautions for safe handling

#### **Usage precautions**

Provide adequate ventilation. Wear protective clothing as described in Section 8 of this safety data sheet. Follow precautions for safe handling described in this safety data sheet. Avoid inhalation of dust and contact with skin and eyes. Avoid generation and spreading of dust. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Observe good chemical hygiene practices. Dust may form explosive mixture with air. Take precautionary measures against static discharges.

### 7.2. Conditions for safe storage, including any incompatibilities

#### **Storage precautions**

Store in tightly-closed, original container in a dry, cool and well-ventilated place. Avoid heat, flames and other sources of ignition. Store away from incompatible materials (see Section 10). Store away from the following materials: Strong oxidising agents. Strong alkalis. Strong acids.

### 7.3. Specific end use(s)

#### **Specific end use(s)**

The identified uses for this product are detailed in Section 1.2.

## **SECTION 8: Exposure controls/Personal protection**

### 8.1. Control parameters

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**Ingredient comments** No exposure limits known for ingredient(s).

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**Ingredient comments** No exposure limits known for ingredient(s).

#### 8.2. Exposure controls

##### Protective equipment



##### Appropriate engineering controls

Provide adequate general and local exhaust ventilation. Use mechanical ventilation if there is a risk of handling causing formation of airborne dust.

##### Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Dust-resistant, chemical splash goggles. Personal protective equipment for eye and face protection should comply with European Standard EN166.

##### Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. The most suitable glove should be chosen in consultation with the glove supplier/manufacture, who can provide information about the breakthrough time of the glove material. To protect hands from chemicals, gloves should comply with European Standard EN374.

##### Other skin and body protection

Wear suitable protective clothing as protection against splashing or contamination.

##### Hygiene measures

When using do not eat, drink or smoke. Wash at the end of each work shift and before eating, smoking and using the toilet. Remove contaminated clothing and protective equipment before entering eating areas. Eye wash facilities and emergency shower must be available when handling this product.

##### Respiratory protection

Respiratory protection complying with an approved standard should be worn if a risk assessment indicates inhalation of contaminants is possible. Protection against nuisance dust must be used when the airborne concentration exceeds 10 mg/m<sup>3</sup>. Ensure all respiratory protective equipment is suitable for its intended use and is 'CE'-marked. If ventilation is inadequate, suitable respiratory protection must be worn. Particulate filter, type P2. EN 136/140/141/145/143/149

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

|                                 |                           |
|---------------------------------|---------------------------|
| Appearance                      | Powder.                   |
| Colour                          | White/off-white.          |
| Odour                           | Mild.                     |
| Odour threshold                 | No information available. |
| pH                              | No information available. |
| Melting point                   | No information available. |
| Pour Point                      | No information available. |
| Freezing Point                  | No information available. |
| Initial boiling point and range | No information available. |

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|                                              |                                           |
|----------------------------------------------|-------------------------------------------|
| Flash point                                  | No information available.                 |
| Evaporation rate                             | No information available.                 |
| Evaporation factor                           | No information available.                 |
| Flammability (solid, gas)                    | Dust may form explosive mixture with air. |
| Upper/lower flammability or explosive limits | No information available.                 |
| Other flammability                           | No information available.                 |
| Vapour pressure                              | No information available.                 |
| Vapour density                               | No information available.                 |
| Relative density                             | No information available.                 |
| Bulk density                                 | No information available.                 |
| Solubility(ies)                              | Soluble in water.                         |
| Partition coefficient                        | No information available.                 |
| Auto-ignition temperature                    | No information available.                 |
| Decomposition Temperature                    | No information available.                 |
| Viscosity                                    | No information available.                 |
| Explosive properties                         | No information available.                 |
| Explosive under the influence of a flame     | No information available.                 |
| Oxidising properties                         | No information available.                 |

### 9.2. Other information

|                           |                           |
|---------------------------|---------------------------|
| Other information         | Not determined.           |
| Refractive index          | No information available. |
| Particle size             | No information available. |
| Molecular weight          | No information available. |
| Volatility                | No information available. |
| Saturation concentration  | No information available. |
| Critical temperature      | No information available. |
| Volatile organic compound | No information available. |

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

|            |                                                                     |
|------------|---------------------------------------------------------------------|
| Reactivity | There are no known reactivity hazards associated with this product. |
|------------|---------------------------------------------------------------------|

### 10.2. Chemical stability

|           |                                                                     |
|-----------|---------------------------------------------------------------------|
| Stability | Stable at normal ambient temperatures and when used as recommended. |
|-----------|---------------------------------------------------------------------|

### 10.3. Possibility of hazardous reactions

|                                    |                      |
|------------------------------------|----------------------|
| Possibility of hazardous reactions | Will not polymerise. |
|------------------------------------|----------------------|

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### 10.4. Conditions to avoid

**Conditions to avoid** Keep at temperature not exceeding 130°C. Avoid excessive heat for prolonged periods of time. Take precautionary measures against static discharges.

### 10.5. Incompatible materials

**Materials to avoid** Strong oxidising agents. Strong acids. Strong alkalis.

### 10.6. Hazardous decomposition products

**Hazardous decomposition products** Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours. Oxides of the following substances: Carbon.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute toxicity - oral

**Notes (oral LD<sub>50</sub>)** This product has low toxicity. This information is based on test data from similar products LD<sub>50</sub> > 10000 mg/kg, Oral, Rat

#### Acute toxicity - dermal

**Notes (dermal LD<sub>50</sub>)** Not determined.

#### Acute toxicity - inhalation

**Notes (inhalation LC<sub>50</sub>)** Not determined.

#### Skin corrosion/irritation

**Animal data** Not irritating.

#### Serious eye damage/irritation

**Serious eye damage/irritation** Solid particles trapped behind the eyelid may cause abrasive damage.

#### Respiratory sensitisation

**Respiratory sensitisation** No information available.

#### Skin sensitisation

**Skin sensitisation** Not sensitising. Human

#### Germ cell mutagenicity

**Genotoxicity - in vitro** This information is based on test data from similar products Negative.

#### Carcinogenicity

**Carcinogenicity** This information is based on test data from similar products No evidence of carcinogenicity in animal studies.

#### Reproductive toxicity

**Reproductive toxicity - fertility** This information is based on test data from similar products No evidence of reproductive toxicity in animal studies.

**Reproductive toxicity - development** This information is based on test data from similar products No evidence of reproductive toxicity in animal studies.

#### Specific target organ toxicity - single exposure

**STOT - single exposure** Not classified as a specific target organ toxicant after a single exposure.

#### Specific target organ toxicity - repeated exposure

**STOT - repeated exposure** This information is based on test data from similar products Not classified as a specific target organ toxicant after repeated exposure.

#### Aspiration hazard

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|                          |                                                                      |
|--------------------------|----------------------------------------------------------------------|
| <b>Aspiration hazard</b> | Based on available data the classification criteria are not met.     |
| <b>Inhalation</b>        | Dust in high concentrations may irritate the respiratory system.     |
| <b>Ingestion</b>         | May cause discomfort if swallowed.                                   |
| <b>Skin contact</b>      | Skin irritation should not occur when used as recommended.           |
| <b>Eye contact</b>       | Solid particles trapped behind the eyelid may cause abrasive damage. |

### Toxicological information on ingredients.

#### HYDROXYPROPYL METHYL CELLULOSE

##### Acute toxicity - oral

Notes (oral LD<sub>50</sub>) LD<sub>50</sub> > 5000 mg/kg, Oral,

##### Skin corrosion/irritation

Animal data No information available.

##### Serious eye damage/irritation

Serious eye damage/irritation No information available.

##### Respiratory sensitisation

Respiratory sensitisation No information available.

##### Skin sensitisation

Skin sensitisation No information available.

##### Germ cell mutagenicity

Genotoxicity - in vitro No information available.

##### Carcinogenicity

Carcinogenicity No information available.

##### Reproductive toxicity

Reproductive toxicity - fertility No information available.

##### Specific target organ toxicity - single exposure

STOT - single exposure No information available.

##### Specific target organ toxicity - repeated exposure

STOT - repeated exposure No information available.

##### Aspiration hazard

Aspiration hazard No information available.

|                     |                                                                  |
|---------------------|------------------------------------------------------------------|
| <b>Inhalation</b>   | Dust in high concentrations may irritate the respiratory system. |
| <b>Ingestion</b>    | May cause discomfort if swallowed.                               |
| <b>Skin contact</b> | Powder may irritate skin.                                        |
| <b>Eye contact</b>  | Particles in the eyes may cause irritation and smarting.         |

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### SECTION 12: Ecological information

**Ecotoxicity** The product is not expected to be hazardous to the environment. However, large or frequent spills may have hazardous effects on the environment.

#### Ecological information on ingredients.

##### HYDROXYPROPYL METHYL CELLULOSE

**Ecotoxicity** The product components are not classified as environmentally hazardous. However, large or frequent spills may have hazardous effects on the environment.

#### 12.1. Toxicity

**Toxicity** Not considered toxic to fish.

#### Ecological information on ingredients.

##### HYDROXYPROPYL METHYL CELLULOSE

**Toxicity** Not considered toxic to fish.

#### 12.2. Persistence and degradability

**Persistence and degradability** This information is based on test data from similar products The product is expected to be slowly biodegradable.

#### Ecological information on ingredients.

##### HYDROXYPROPYL METHYL CELLULOSE

**Persistence and degradability** The product is not expected to be biodegradable.

#### 12.3. Bioaccumulative potential

**Bioaccumulative potential** Bioaccumulation is unlikely.

**Partition coefficient** No information available.

#### Ecological information on ingredients.

##### HYDROXYPROPYL METHYL CELLULOSE

**Bioaccumulative potential** The product does not contain any substances expected to be bioaccumulating.

**Partition coefficient** No information available.

#### 12.4. Mobility in soil

**Mobility** The product is soluble in water.

#### Ecological information on ingredients.

##### HYDROXYPROPYL METHYL CELLULOSE

**Mobility** The product is water-soluble and may spread in water systems.

#### 12.5. Results of PBT and vPvB assessment

**Results of PBT and vPvB assessment** This substance is not classified as PBT or vPvB according to current EU criteria.

#### Ecological information on ingredients.

##### HYDROXYPROPYL METHYL CELLULOSE



## CELLOSIZE TEXTURE E50 HYDROXYPROPYL METHYLCELLULOSE

**Results of PBT and vPvB assessment** This product does not contain any substances classified as PBT or vPvB.

### 12.6. Other adverse effects

**Other adverse effects** None known.

### Ecological information on ingredients.

#### HYDROXYPROPYL METHYL CELLULOSE

**Other adverse effects** Not determined.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

**General information** Waste should be treated as controlled waste. Do not puncture or incinerate, even when empty.

**Disposal methods** Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

## SECTION 14: Transport information

**General** The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

### 14.1. UN number

Not applicable.

### 14.2. UN proper shipping name

Not applicable.

### 14.3. Transport hazard class(es)

No transport warning sign required.

### 14.4. Packing group

Not applicable.

### 14.5. Environmental hazards

**Environmentally hazardous substance/marine pollutant**

No.

### 14.6. Special precautions for user

Not applicable.

### 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

**Transport in bulk according to** Not applicable.

**Annex II of MARPOL 73/78  
and the IBC Code**

## SECTION 15: Regulatory information

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

## CELLOSIZE TEXTURE E50 HYDROXYPROPYL METHYLCELLULOSE

### EU legislation

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).

Commission Regulation (EU) No 2015/830 of 28 May 2015.

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

## SECTION 16: Other information

### Abbreviations and acronyms used in the safety data sheet

ATE: Acute Toxicity Estimate.  
 ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.  
 ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.  
 CAS: Chemical Abstracts Service.  
 DNEL: Derived No Effect Level.  
 IATA: International Air Transport Association.  
 IMDG: International Maritime Dangerous Goods.  
 Kow: Octanol-water partition coefficient.  
 LC<sub>50</sub>: Lethal Concentration to 50 % of a test population.  
 LD<sub>50</sub>: Lethal Dose to 50% of a test population (Median Lethal Dose).  
 PBT: Persistent, Bioaccumulative and Toxic substance.  
 PNEC: Predicted No Effect Concentration.  
 REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006.  
 RID: European Agreement concerning the International Carriage of Dangerous Goods by Rail.  
 vPvB: Very Persistent and Very Bioaccumulative.  
 IARC: International Agency for Research on Cancer.  
 MARPOL 73/78: International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978.  
 cATpE: Converted Acute Toxicity Point Estimate.  
 BCF: Bioconcentration Factor.  
 BOD: Biochemical Oxygen Demand.  
 EC<sub>50</sub>: 50% of maximal Effective Concentration.  
 LOAEC: Lowest Observed Adverse Effect Concentration.  
 LOAEL: Lowest Observed Adverse Effect Level.  
 NOAEC: No Observed Adverse Effect Concentration.  
 NOAEL: No Observed Adverse Effect Level.  
 NOEC: No Observed Effect Concentration.  
 LOEC: Lowest Observed Effect Concentration.  
 DMEL: Derived Minimal Effect Level.  
 EL50: Exposure Limit 50  
 hPa: Hectopascal  
 LL50: Lethal Loading fifty  
 OECD: Organisation for Economic Co-operation and Development  
 POW: Octanol-water partition coefficient  
 SCBA: self-contained breathing apparatus  
 STP: Sewage Treatment Plant  
 VOC: Volatile Organic Compounds

**CELLOSIZE TEXTURE E50 HYDROXYPROPYL METHYLCELLULOSE**

|                                                                         |                                                                                                                                                                 |
|-------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Classification abbreviations and acronyms</b>                        | Acute Tox. = Acute toxicity<br>Aquatic Acute = Hazardous to the aquatic environment (acute)<br>Aquatic Chronic = Hazardous to the aquatic environment (chronic) |
| <b>Key literature references and sources for data</b>                   | Supplier's information.                                                                                                                                         |
| <b>Classification procedures according to Regulation (EC) 1272/2008</b> | Not classified.: Calculation method.                                                                                                                            |
| <b>Revision comments</b>                                                | NOTE: Lines within the margin indicate significant changes from the previous revision.                                                                          |
| <b>Revision date</b>                                                    | 18/03/2021                                                                                                                                                      |
| <b>Version number</b>                                                   | 1.000                                                                                                                                                           |
| <b>SDS number</b>                                                       | 61998                                                                                                                                                           |
| <b>SDS status</b>                                                       | Approved.                                                                                                                                                       |
| <b>Signature</b>                                                        | Lisa Bland                                                                                                                                                      |

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