EXP - PBC001 PCR Barcoding Kit
SAFETY DATA SHEET
Barcode Adapters
According to Regulation (EU) No 453/2010

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier
Product name Barcode Adapters

1.2. Relevant identified uses of the substance or mixture and uses advised against
Identified uses Laboratory Reagent. For research purposes only.
Uses advised against No specific uses advised against are identified.

1.3. Details of the supplier of the safety data sheet
Supplier Oxford Nanopore Technologies Ltd.
Edmund Cartwright House,
4 Robert Robinson Avenue,
Oxford Science Park,
Oxford, OX4 4GA
UK
T: +44 (0) 845 034 7900
F: +44 (0) 845 034 7901
W: www.nanoporetech.com
E: support@nanoporetech.com

1.4. Emergency telephone number
+44 (0) 845 034 7900 (Mon - Fri 09:00 - 17:00 h)

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture
Classification (EC 1272/2008)
Physical and Chemical Hazards Not classified.
Human health Not classified.
Environment Not classified.

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

2.2. Label elements
Label In Accordance With (EC) No. 1272/2008
No pictogram required.

2.3. Other hazards
This product does not contain any PBT or vPvB substances.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures
Composition Comments
None of the ingredients are required to be listed. This product does not contain any hazardous ingredients, or ingredients with national workplace exposure limits.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures
SECTION 4: FIRST AID MEASURES

Inhalation
General first aid, rest, warmth and fresh air. Get medical attention if any discomfort continues.

Ingestion
Do not induce vomiting. Rinse mouth thoroughly. Get medical attention if any discomfort continues.

Skin contact
Remove contaminated clothes and rinse skin thoroughly with water. Get medical attention promptly if symptoms occur after washing.

Eye contact
Make sure to remove any contact lenses from the eyes before rinsing. Immediately rinse with water. Get medical attention if any discomfort continues.

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

Inhalation
Spray mists irritate the respiratory system, and cause coughing and difficulties in breathing.

Ingestion
May cause discomfort if swallowed.

Skin contact
No specific symptoms noted.

Eye contact
Prolonged contact may cause redness and/or tearing.

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

Treat symptomatically.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Extinguishing media
Use fire-extinguishing media appropriate for surrounding materials.

Unsuitable extinguishing media
Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products
During fire, toxic gases (CO, CO2) are formed. Due to the small packaging, the risk of inhaling gases formed in a fire is minimal.

Unusual Fire & Explosion Hazards
No unusual fire or explosion hazards noted.

Specific hazards
No specific precautions due to the small quantities handled.

5.3. Advice for firefighters

Special Fire Fighting Procedures
Avoid breathing fire vapours.

Protective equipment for fire-fighters
Self contained breathing apparatus and full protective clothing must be worn in case of fire.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

For personal protection, see section 8.

6.2. Environmental precautions

Do not discharge into drains, water courses or onto the ground.

6.3. Methods and material for containment and cleaning up

Wear necessary protective equipment. Absorb spillage with suitable absorbent material. The product should not be dumped in nature but collected and delivered according to agreement with the local authorities.

6.4. Reference to other sections

For personal protection, see section 8. See section 11 for additional information on health hazards. For waste disposal, see section 13.
SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling
Read and follow manufacturer's recommendations. Avoid spilling, skin and eye contact.

7.2. Conditions for safe storage, including any incompatibilities
Store in tightly closed original container. Store at temperatures not exceeding 4°C.

7.3. 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

Ingredient Comments
No exposure limits noted for ingredient(s).

8.2. Exposure controls

Engineering measures
Observe occupational exposure limits and minimize the risk of inhalation of vapours.

Respiratory equipment
No specific recommendations.

Hand protection
For prolonged or repeated skin contact use suitable protective gloves. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.

Eye protection
Wear approved safety goggles.

Hygiene measures
Wash hands after handling. When using do not eat, drink or smoke. Wash hands at the end of each work shift and before eating, smoking and using the toilet.

Skin protection
Wear apron or protective clothing in case of splashes.

Environmental Exposure Controls
Keep container tightly sealed when not in use.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Liquid</td>
</tr>
<tr>
<td>Colour</td>
<td>Colourless.</td>
</tr>
<tr>
<td>Odour</td>
<td>No characteristic odour.</td>
</tr>
<tr>
<td>Solubility</td>
<td>Soluble in water.</td>
</tr>
<tr>
<td>Initial boiling point and boiling range (°C)</td>
<td>~100 °C</td>
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<td>Melting point (°C)</td>
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<tr>
<td>Relative density</td>
<td>Not available.</td>
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<tr>
<td>Bulk Density</td>
<td>Not available.</td>
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<td>Vapour density (air=1)</td>
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<td>Vapour pressure</td>
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<td>pH-Value, Conc. Solution</td>
<td>Not available.</td>
</tr>
<tr>
<td>Viscosity</td>
<td>Not available.</td>
</tr>
</tbody>
</table>
Barcode Adapters

Decomposition temperature (°C)
Not available.
Odour Threshold, Lower
Not available.
Odour Threshold, Upper
Not available.
Flash point (°C)
Not available.
Auto Ignition Temperature (°C)
Not available.
Flammability Limit - Lower(%)
Not available.
Flammability Limit - Upper(%)
Not available.
Partition Coefficient (N-Octanol/Water)
Not available.
Explosive properties
Not considered to be explosive.
Oxidising properties
Does not meet the criteria for oxidising.

9.2. Other information
No information required.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity
No specific reactivity hazards associated with this product.

10.2. Chemical stability
Stable under the prescribed storage conditions.

10.3. Possibility of hazardous reactions
Not known.

10.4. Conditions to avoid
Avoid excessive heat for prolonged periods of time.

10.5. Incompatible materials
Materials To Avoid
Strong oxidising substances. Strong reducing agents.

10.6. Hazardous decomposition products
None at ambient temperatures.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity:
Based on available data the classification criteria are not met.

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:
Based on available data the classification criteria are not met.

**Carcinogenicity:**
Based on available data the classification criteria are not met.

**Reproductive Toxicity:**
Based on available data the classification criteria are not met.

**Specific target organ toxicity - single exposure:**
Not classified as a specific target organ toxicant after a single exposure.

**Specific target organ toxicity - repeated exposure:**
Not classified as a specific target organ toxicant after repeated exposure.

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

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**SECTION 12: ECOLOGICAL INFORMATION**

**Ecotoxicity**
The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

**12.1. Toxicity**

**Acute Fish Toxicity**
Not considered toxic to fish.

**12.2. Persistence and degradability**

**Degradability**
The degradability of the product has not been stated.

**12.3. Bioaccumulative potential**

**Bioaccumulative potential**
No data available on bioaccumulation.

**Partition coefficient**
Not available.

**12.4. Mobility in soil**

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

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

**12.6. Other adverse effects**
None known.

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**SECTION 13: DISPOSAL CONSIDERATIONS**

**General information**
Avoid release to the environment.

**13.1. Waste treatment methods**
Dispose of waste and residues in accordance with local authority requirements.

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**SECTION 14: TRANSPORT INFORMATION**

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

**14.1. UN number**
Not applicable.

**14.2. UN proper shipping name**
Barcode Adapters

14.3. Transport hazard class(es)
Transport Labels
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 MARPOL73/78 and the IBC Code
Not applicable.

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
Approved Code Of Practice
Classification and Labelling of Substances and Preparations Dangerous for Supply. Safety Data Sheets for Substances and Preparations.
Guidance Notes
Workplace Exposure Limits EH40.
EU Legislation

15.2. Chemical Safety Assessment
No chemical safety assessment has been carried out.

SECTION 16: OTHER INFORMATION

Revision Comments
This is first issue.
Revision Date 16/02/2015
Risk Phrases In Full
NC Not classified.
SAFETY DATA SHEET
PCR Barcode XX
According to Regulation (EU) No 453/2010

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier
Product name
PCR Barcode XX

1.2. Relevant identified uses of the substance or mixture and uses advised against
Identified uses
Laboratory Reagent. For research purposes only.

1.3. Details of the supplier of the safety data sheet
Supplier
Oxford Nanopore Technologies Ltd.
Edmund Cartwright House,
4 Robert Robinson Avenue,
Oxford Science Park,
Oxford, OX4 4GA
UK
T: +44 (0) 845 034 7900
F: +44 (0) 845 034 7901
W: www.nanoporetech.com
E: support@nanoporetech.com

1.4. Emergency telephone number
+44 (0) 845 034 7900 (Mon - Fri 09:00 - 17:00 h)

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture
Classification (EC 1272/2008)
Physical and Chemical Hazards: Not classified.
Human health: Not classified.
Environment: Not classified.

Classification (1999/45/EEC)
Not classified.
The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

2.2. Label elements
Label
In Accordance With (EC) No. 1272/2008
No pictogram required.

2.3. Other hazards
This product does not contain any PBT or vPvB substances.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures
Composition Comments
None of the ingredients are required to be listed. This product does not contain any hazardous ingredients, or ingredients with national workplace exposure limits.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures
General information
Caution - substance not yet fully tested.
Inhalation
General first aid, rest, warmth and fresh air. Get medical attention if any discomfort continues.

Ingestion
Do not induce vomiting. Rinse mouth thoroughly. Get medical attention if any discomfort continues.

Skin contact
Remove contaminated clothes and rinse skin thoroughly with water. Get medical attention promptly if symptoms occur after washing.

Eye contact
Make sure to remove any contact lenses from the eyes before rinsing. Immediately rinse with water. Get medical attention if any discomfort continues.

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

Inhalation
No specific symptoms noted.

Ingestion
May cause discomfort if swallowed.

Skin contact
Prolonged contact may cause redness, irritation and dry skin.

Eye contact
Prolonged contact may cause redness and/or tearing.

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

Treat Symptomatically.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Extinguishing media
Use fire-extinguishing media appropriate for surrounding materials.

Unsuitable extinguishing media
Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products
During fire, toxic gases (CO, CO2) are formed. Due to the small packaging, the risk of inhaling gases formed in a fire is minimal.

Unusual Fire & Explosion Hazards
No unusual fire or explosion hazards noted.

Specific hazards
No specific precautions due to the small quantities handled.

5.3. Advice for firefighters

Special Fire Fighting Procedures
Avoid breathing fire vapours. If possible, fight fire from protected position.

Protective equipment for fire-fighters
Self contained breathing apparatus and full protective clothing must be worn in case of fire.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

For personal protection, see section 8. Avoid inhalation of spray mist and contact with skin and eyes.

6.2. Environmental precautions

Avoid discharge to the aquatic environment.

6.3. Methods and material for containment and cleaning up

Wear necessary protective equipment. Absorb spillage with suitable absorbent material. The product should not be dumped in nature but collected and delivered according to agreement with the local authorities.

6.4. Reference to other sections

For personal protection, see section 8. See section 11 for additional information on health hazards. For waste disposal, see section 13.

SECTION 7: HANDLING AND STORAGE
7.1. Precautions for safe handling
Read and follow manufacturer's recommendations. Avoid spilling, skin and eye contact.

7.2. Conditions for safe storage, including any incompatibilities
Store in tightly closed original container. Store at temperatures not exceeding 4°C.

7.3. 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
Ingredient Comments
No exposure limits noted for ingredient(s).

8.2. Exposure controls
**Engineering measures**
Observe occupational exposure limits and minimize the risk of inhalation of vapours.

**Respiratory equipment**
No specific recommendations.

**Hand protection**
For prolonged or repeated skin contact use suitable protective gloves. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.

**Eye protection**
Wear approved safety goggles.

**Hygiene measures**
Wash hands after handling. When using do not eat, drink or smoke. Wash hands at the end of each work shift and before eating, smoking and using the toilet.

**Skin protection**
Wear apron or protective clothing in case of splashes.

**Environmental Exposure Controls**
Keep container tightly sealed when not in use.

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

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<td>pH-Value, Conc. Solution</td>
<td>Not available.</td>
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<tr>
<td>Viscosity</td>
<td>Not available.</td>
</tr>
<tr>
<td>Decomposition temperature (°C)</td>
<td>Not available.</td>
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</tbody>
</table>
Odour Threshold, Lower
Not available.
Odour Threshold, Upper
Not available.
Flash point (°C)
Not available.
Auto Ignition Temperature (°C)
Not available.
Flammability Limit - Lower(%)
Not available.
Flammability Limit - Upper(%)
Not available.
Partition Coefficient
(N-Octanol/Water)
Not available.

Explosive properties
Not considered to be explosive.

Oxidising properties
Does not meet the criteria for oxidising.

9.2. Other information
No information required.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity
No specific reactivity hazards associated with this product.

10.2. Chemical stability
Stable under the prescribed storage conditions.

10.3. Possibility of hazardous reactions
Not known.

10.4. Conditions to avoid
Avoid excessive heat for prolonged periods of time.

10.5. Incompatible materials

Materials To Avoid
Strong oxidising substances. Strong reducing agents.

10.6. Hazardous decomposition products
None at ambient temperatures.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity:
Based on available data the classification criteria are not met.

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:
Based on available data the classification criteria are not met.
Carcinogenicity:
Based on available data the classification criteria are not met.

Reproductive Toxicity:
Based on available data the classification criteria are not met.

Specific target organ toxicity - single exposure:
Not classified as a specific target organ toxicant after a single exposure.

Specific target organ toxicity - repeated exposure:
Not classified as a specific target organ toxicant after repeated exposure.

Aspiration hazard:
Based on available data the classification criteria are not met.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity
The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

12.1. Toxicity
Acute Fish Toxicity
Not considered toxic to fish.

12.2. Persistence and degradability
Degradability
The degradability of the product has not been stated.

12.3. Bioaccumulative potential
Bioaccumulative potential
No data available on bioaccumulation.
Partition coefficient
Not available.

12.4. Mobility in soil
Mobility:
The product is soluble in water.

12.5. Results of PBT and vPvB assessment
This product does not contain any PBT or vPvB substances.

12.6. Other adverse effects
None known.

SECTION 13: DISPOSAL CONSIDERATIONS

General information
Avoid release to the environment.

13.1. Waste treatment methods
Dispose of waste and residues in accordance with local authority requirements.

SECTION 14: TRANSPORT INFORMATION

General
The product is not covered by international regulation 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)

Transport Labels
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 MARPOL73/78 and the IBC Code

Not applicable.

SECTION 15: REGULATORY INFORMATION

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

Approved Code Of Practice
Classification and Labelling of Substances and Preparations Dangerous for Supply. Safety Data Sheets for Substances and Preparations.

Guidance Notes
Workplace Exposure Limits EH40.

EU Legislation

15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out.

SECTION 16: OTHER INFORMATION

Revision Comments
This is first issue.

Revision Date 16/02/2015

Risk Phrases In Full
NC Not classified.
SAFETY DATA SHEET
Barcode Adapters

According to Regulation (EU) No 453/2010

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name: Barcode Adapters

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

Identified uses: Laboratory Reagent. For research purposes only.

Uses advised against: No specific uses advised against are identified.

1.3. Details of the supplier of the safety data sheet

Supplier: Oxford Nanopore Technologies Ltd.
Edmund Cartwright House,
4 Robert Robinson Avenue,
Oxford Science Park,
Oxford, OX4 4GA
UK
T: +44 (0) 845 034 7900
F: +44 (0) 845 034 7901
W: www.nanoporetech.com
E: support@nanoporetech.com

1.4. Emergency telephone number

+44 (0) 845 034 7900 (Mon - Fri 09:00 - 17:00 h)

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical and Chemical Hazards: Not classified.
Human health: Not classified.
Environment: Not classified.


The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

2.2. Label elements

Label In Accordance With (EC) No. 1272/2008
No pictogram required.

2.3. Other hazards

This product does not contain any PBT or vPvB substances.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

Composition Comments
None of the ingredients are required to be listed. This product does not contain any hazardous ingredients, or ingredients with national workplace exposure limits.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures
General information
Caution - substance not yet fully tested.

Inhalation
General first aid, rest, warmth and fresh air. Get medical attention if any discomfort continues.

Ingestion
Do not induce vomiting. Rinse mouth thoroughly. Get medical attention if any discomfort continues.

Skin contact
Remove contaminated clothes and rinse skin thoroughly with water. Get medical attention promptly if symptoms occur after washing.

Eye contact
Make sure to remove any contact lenses from the eyes before rinsing. Immediately rinse with water. Get medical attention if any discomfort continues.

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

Inhalation
Spray mists irritate the respiratory system, and cause coughing and difficulties in breathing.

Ingestion
May cause discomfort if swallowed.

Skin contact
No specific symptoms noted.

Eye contact
Prolonged contact may cause redness and/or tearing.

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

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Extinguishing media
Use fire-extinguishing media appropriate for surrounding materials.

Unsuitable extinguishing media
Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products
During fire, toxic gases (CO, CO2) are formed. Due to the small packaging, the risk of inhaling gases formed in a fire is minimal.

Unusual Fire & Explosion Hazards
No unusual fire or explosion hazards noted.

Specific hazards
No specific precautions due to the small quantities handled.

5.3. Advice for firefighters

Special Fire Fighting Procedures
Avoid breathing fire vapours.

Protective equipment for fire-fighters
Self contained breathing apparatus and full protective clothing must be worn in case of fire.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures
For personal protection, see section 8.

6.2. Environmental precautions
Do not discharge into drains, water courses or onto the ground.

6.3. Methods and material for containment and cleaning up
Wear necessary protective equipment. Absorb spillage with suitable absorbent material. The product should not be dumped in nature but collected and delivered according to agreement with the local authorities.

6.4. Reference to other sections
For personal protection, see section 8. See section 11 for additional information on health hazards. For waste disposal, see section 13.
SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling
Read and follow manufacturer's recommendations. Avoid spilling, skin and eye contact.

7.2. Conditions for safe storage, including any incompatibilities
Store in tightly closed original container. Store at temperatures not exceeding 4°C.

7.3. 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

Ingredient Comments
No exposure limits noted for ingredient(s).

8.2. Exposure controls

Engineering measures
Observe occupational exposure limits and minimize the risk of inhalation of vapours.

Respiratory equipment
No specific recommendations.

Hand protection
For prolonged or repeated skin contact use suitable protective gloves. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.

Eye protection
Wear approved safety goggles.

Hygiene measures
Wash hands after handling. When using do not eat, drink or smoke. Wash hands at the end of each work shift and before eating, smoking and using the toilet.

Skin protection
Wear apron or protective clothing in case of splashes.

Environmental Exposure Controls
Keep container tightly sealed when not in use.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

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<tr>
<td>pH-Value, Conc. Solution</td>
<td>Not available.</td>
</tr>
<tr>
<td>Viscosity</td>
<td>Not available.</td>
</tr>
</tbody>
</table>
Barcode Adapters

Decomposition temperature (°C)
Not available.
Odour Threshold, Lower
Not available.
Odour Threshold, Upper
Not available.
Flash point (°C)
Not available.
Auto Ignition Temperature (°C)
Not available.
Flammability Limit - Lower(%) 
Not available.
Flammability Limit - Upper(%) 
Not available.
Partition Coefficient 
(N-Octanol/Water) 
Not available.

Explosive properties
Not considered to be explosive.

Oxidising properties
Does not meet the criteria for oxidising.

9.2. Other information
No information required.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity
No specific reactivity hazards associated with this product.

10.2. Chemical stability
Stable under the prescribed storage conditions.

10.3. Possibility of hazardous reactions
Not known.

10.4. Conditions to avoid
Avoid excessive heat for prolonged periods of time.

10.5. Incompatible materials
Materials To Avoid
Strong oxidising substances. Strong reducing agents.

10.6. Hazardous decomposition products
None at ambient temperatures.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity:
Based on available data the classification criteria are not met.

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:
Barcode Adapters

Based on available data the classification criteria are not met.

**Carcinogenicity:**
Based on available data the classification criteria are not met.

**Reproductive Toxicity:**
Based on available data the classification criteria are not met.

**Specific target organ toxicity - single exposure:**
Not classified as a specific target organ toxicant after a single exposure.

**Specific target organ toxicity - repeated exposure:**
Not classified as a specific target organ toxicant after repeated exposure.

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

### SECTION 12: ECOLOGICAL INFORMATION

**Ecotoxicity**
The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

#### 12.1. Toxicity

**Acute Fish Toxicity**
Not considered toxic to fish.

#### 12.2. Persistence and degradability

**Degradability**
The degradability of the product has not been stated.

#### 12.3. Bioaccumulative potential

**Bioaccumulative potential**
No data available on bioaccumulation.

**Partition coefficient**
Not available.

#### 12.4. Mobility in soil

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

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

This product does not contain any PBT or vPvB substances.

#### 12.6. Other adverse effects

None known.

### SECTION 13: DISPOSAL CONSIDERATIONS

**General information**
Avoid release to the environment.

#### 13.1. Waste treatment methods

Dispose of waste and residues in accordance with local authority requirements.

### SECTION 14: TRANSPORT INFORMATION

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

#### 14.1. UN number

Not applicable.

#### 14.2. UN proper shipping name
14.3. Transport hazard class(es)

Transport Labels
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 MARPOL73/78 and the IBC Code

Not applicable.

SECTION 15: REGULATORY INFORMATION

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

Approved Code Of Practice
Classification and Labelling of Substances and Preparations Dangerous for Supply. Safety Data Sheets for Substances and Preparations.

Guidance Notes
Workplace Exposure Limits EH40.

EU Legislation

15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out.

SECTION 16: OTHER INFORMATION

Revision Comments
This is first issue.

Revision Date 16/02/2015

Risk Phrases in Full
NC Not classified.