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|  | SAFETY DATA SHEET According to Regulation (EC) N°1907/2006 | MSDS-KIT020/034 |
| |  | Version 3 Date of issue : 26/08/2013 |

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

1.1. Product identifier

Catalogue N° : KIT020 KIT034
 Product Name: TWINSENSOR MK BT MRL 96pc TWINSENSOR MK BT 4/10ppb 96 pc
 REACH Registration Number: Not relevant
 CAS N°: Not relevant

This manufactured product does not meet the criteria for classification in accordance with Regulation (EC) N°1272/2008.

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

Biochemical research/analysis (detection of betalactams and tetracyclines molecule in milk)

1.3. Details of the supplier of the safety data sheet

Unisensor S.A.
 ZI du Dossay - Rue du Dossay 3, B-4020 Wandre (Liège) BELGIUM
 Phone : +32 4 252 66 02 (only available during office hours).
 Fax : +32 4 252 90 55
 Mail : info@unisensor.be
 Web : www.unisensor.be

1.4. Emergency telephone number

Phone : +32 4 252 66 02 (only available during office hours).

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

This product is not a hazardous substance or mixture according to Regulation (EC) N°1272/2008.

However a safety data sheet is being supplied for it on request as it contains the following hazardous components:

- 1) Backed nitrocellulose as part of the dipstick (1.25 cm² x 0.3 mm thick/kit)
- 2) Silica gel as part of the inner cap (1g) of the dipstick cartridge

2.2. Label elements

- *Hazard pictograms:*



- *Signal word:*

Danger

- *Hazards statements:*

H 228 Flammable solid

- *Precautionary statements*

Prevention

P210 Keep away from heat/sparks/open flames/hot surfaces – No smoking.

2.3. Other hazards

None

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| Section 3: Composition/informations on ingredients |
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3.1. Substance

Not applicable

3.2. Mixture

Manufactured article containing two hazardous components:

- 1) Backed nitrocellulose as part of the dipstick (1.25 cm² x 0.3 mm thick/kit)
- 2) Silica gel as part of the inner cap (1g) of the dipstick cartridge

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| Section 4 : First aid measures |
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4.1. Description of first aid measures

- *If inhaled :*
If breathed in, move person into fresh air. If not breathing, give artificial respiration.
- *In case of skin contact :*
Wash off with soap and plenty of water
- *In case of eye contact :*
Flush eyes with water as a precaution
- *If swallowed:*
Never give anything by mouth to an unconscious person. Rise mouth with water.

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

There is no description of any toxic symptoms for the dipstick.

The amorphous silica is not classifiable as to its carcinogenicity to humans (groupe 3). However crystalline silica inhaled in the form of quartz or critobalite is carcinogenic to humans (group 1) so the amorphous silica should be handled as if possessing the same hazards as the crystalline form.

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

No data available

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| Section 5: Firefighting media |
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5.1. Extinguishing media

- *Suitable extinguishing media :*
Use water spray, foam, dry chemical or carbon dioxide.
- *Unsuitable extinguishing media :*
No limitations of extinguishing agents are given.

5.2. Special hazards arising from the substance or mixture

- *Nitrocellulose:*
Combustible, spontaneous ignition at elevated temperature. Development of hazardous combustion gases of vapours possible in the events of fire.
- *Silica gel:*
Silicon oxides

5.3. Advice for firefighters

- *Special protective equipments for firefighters*
Wear self-contained breathing apparatus for fire fighting if necessary.

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- *Further information*

Suppress (knock down) gases/vapours/mists with a water spray jet. Prevent fire extinguishing water from containing surface water or the ground water system.

Section 6 : Accidental release measures

6.1. Personal precautions, protective equipments and emergency rocedures

Avoid inhalation of dusts or vapors.

Avoid substance contact.

Ensure adequate ventilation.

Keep away from open flames, hot surfaces and sources of ignition.

6.2. Environmental precautions

Do not let product enter drains.

6.3. Methods and materials for containment and cleaning up

Cover drains. Collect, bind, and pump off spills. Observe possible matrial restrictions (see sections 7 and 10). Take up dry. Dispose of properly. Clean up affected area. Avoid generation of dusts.

Keep in suitable, closed containers for disposal.

6.4. Reference to other sections.

Indications about waste treatment see section 13.

Section 7: Handling and storage

7.1. Precautions for safe handling

- *Advice on safe handling*

Observe label precautions.

Floors, walls and other surface must be regularly cleaned.

Provide appropriate exhaust ventilation at places where dust is formed.

- *Advice on protection against fire and explosion*

Keep away from open flames, hot surfaces and source of ignition.

- *Hygiene measures*

Change contaminated clothing. Wash hands after working with substance.

7.2. Conditions for safe storage, including any incompatibilities.

- *Storage conditions*

Store the kit in a dry place and at a low temperature between 2°C and 8°C.

Keep away from heat and source of ignition.

Keep away from direct sunlight.

- *Advice on common storage*

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

7.3. Specific end use(s)

No data available

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Section 8: Exposure controls/personal protection

8.1. Controls parameters

Components with workplace control parameters

8.2. Exposure controls

- *Appropriate engineering controls*
General industrial practice.
- *Individual protection measures*
Protective clothing needs to be selected specifically for the workplace, depending on concentrations and quantities of the hazardous substances handled. The chemical resistance for the protective equipment should be enquired at the respective supplier.
 - Eye/face protection : Safety glasses
 - Skin protection : Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices.
 - Body protection: Protective clothing
 - Respiratory protection: Not required.
- *Environmental exposure control*
Do not let product enter drains

Section 9 : Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | Nitrocellulose | Silicagel |
|---|-------------------|-------------------------------|
| a) Form | Solid | Powder |
| b) Colour | White | White |
| c) Odour | None | No data available |
| d) Odour threshold | No data available | No data available |
| e) pH | No data available | No data available |
| f) Melting points/freezing point | No data available | Melting point/range: >1600 °C |
| g) Initial boiling points and boiling range | No data available | 2230 °C |
| h) Flash point | Not applicable | Not applicable |
| i) Evaporation rate | No data available | No data available |
| j) Flammability (solid, gas) | Flammable solid | No data available |
| k) Upper/lower flammability or explosive limits | No data available | No data available |
| l) Vapour pressure | No data available | No data available |
| m) Vapour density | No data available | No data available |
| n) Relative density | No data available | No data available |
| o) Water solubility | No data available | No data available |
| p) Partition coefficient:n- | No data available | No data available |

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| octanol-water | | |
| q) Autoignition temperature | No data available | No data available |
| r) Decomposition temperature | 139°C To avoid thermal decomposition, do not overheat | No data available |
| s) Viscosity | No data available | No data available |
| t) Explosive properties | Not explosive | No data available |
| u) Oxidizing properties | No data available | No data available |

9.2. Other data

No data available

Section 10 : Stability and reactivity

10.1. Reactivity

No data available

10.2. Chemical stability

No data available

10.3. Possibility of hazardous reactions

No data available

10.4. Conditions to avoid

No data available

10.5. Incompatible material

No data available

10.6. Hazardous decomposition products

In the event of fire : see section 5

Section 11 : Toxicological information

11.1. Information on toxicological effects

- *Acute toxicity*
No data available
- *Skin corrosion/irritation*
No data available
- *Serious eye damage/eye irritation*
No data available
- *Respiratory or skin sensitization*
No data available
- *Germ cell mutagenicity*
No data available
- *Carcinogenicity*
No data available
- *Reproductive toxicity*
No data available

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- *Specific target organ toxicity – single exposure*
No data available
- *Specific target organ toxicity – repeated exposure*
No data available
- *Aspiration hazard*
No data available

11.2. Further information

Handle in accordance with good industrial hygiene and safety practice.

Section 12 : Ecological information

12.1. Toxicity

No data available

12.2. Persistence and degradability

No data available

12.3. Bioaccumulative potential

No data available

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

No data available

12.6. Other adverse effects

No data available

Section 13 : Informations sur les possibilités d'élimination des déchets

13.1. Waste treatment methods

Offers surplus and non-recyclable solutions to a licensed disposal company

Section 14 : Transport information

14.1. UN Number:

ADR/RID:-

IMDG:-

IATA:-

14.2. Proper shipping name:

ADR/RID: Not dangerous goods

IMDG: Not dangerous goods

IATA: Not dangerous goods

14.3. Transport hazard class(es)

ADR/RID: -

IMDG: -

IATA: -

14.4. Packing group:

ADR/RID:-

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IMDG:-

IATA:-

14.5. Environmental hazards:

ADR/RID: no

IMDG marine pollutant : no

IATA: no

14.6. Special precautions for user :

No data available

Section 15 : Regulatory information

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

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

No data available

15.2. Chemical safety assessment

No data available.

Section 16 : Other information

Full text of H-Statements referred to under section 2 and 3

H228 : Flammable solid

Full text of R-phrases referred to under sections 2 and 3

R11 : Highly flammable

Training advice

Provide adequate information, instruction and training for operators.

The information contained herein is based on the present state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of any properties of the product.