SAFETY DATA SHEET



MBS Mammalian Transfection Kit, Part Number 200388

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

1.1 Product identifier

Product name : MBS Mammalian Transfection Kit, Part Number 200388

Part no. (chemical kit) : 200388

Part no. : MBS Transfection Kit Solution 1 200388-51

MBS Transfection Kit Solution 2 200388-52
MBS Transfection Kit Soltuion 3 200388-53
pCMV ß-Gal Control Plasmid 200388-54

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

Identified uses : Malytical reagent.

MBS Transfection Kit Solution 1 10 ml MBS Transfection Kit Solution 2 50 ml MBS Transfection Kit Solution 3 80 ml

pCMV β-Gal Control Plasmid 0.04 ml (40 μg 1 μg/μl)

Uses advised against : None known.

1.3 Details of the supplier of the safety data sheet

Agilent Technologies LDA UK Ltd.

5500 Lakeside Cheadle Royal Business Park,

Cheadle, Cheshire, SK8 3GR

United Kingdom

Tel: +44 (0) 345 712 5292

e-mail address of person : pdl-msds author@agilent.com

responsible for this SDS

1.4 Emergency telephone number

Emergency telephone

number (with hours of

operation)

: CHEMTREC®: +(44)-870-8200418

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Product definition : MBS Transfection Kit Mixture

Solution 1

MBS Transfection Kit Mixture

Solution 2

MBS Transfection Kit Mixture

Soltuion 3

pCMV ß-Gal Control Mixture

Plasmid

Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

MBS Transfection Kit

Solution 1

H319 SERIOUS EYE DAMAGE/EYE IRRITATION Category 2

MBS Transfection Kit Solution 1 The product is classified as hazardous according to UK CLP

Regulation SI 2019/720 as amended.

MBS Transfection Kit Solution 2 The product is not classified as hazardous according to UK CLP

Regulation SI 2019/720 as amended.

MBS Transfection Kit Soltuion 3 The product is not classified as hazardous according to UK CLP

Regulation SI 2019/720 as amended.

pCMV ß-Gal Control Plasmid The product is not classified as hazardous according to UK CLP

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SECTION 2: Hazards identification

Regulation SI 2019/720 as amended.

Ingredients of unknown toxicity

: MBS Transfection Kit

Solution 2

Percentage of the mixture consisting of ingredient(s) of

unknown acute dermal toxicity: 1 - 10%

Percentage of the mixture consisting of ingredient(s) of

unknown acute inhalation toxicity: 1 - 10%

Percentage of the mixture consisting of ingredient(s) of

unknown acute oral toxicity: 1 - 10%

MBS Transfection Kit

Soltuion 3

Percentage of the mixture consisting of ingredient(s) of

unknown acute dermal toxicity: > 60%

Percentage of the mixture consisting of ingredient(s) of

unknown acute inhalation toxicity: > 60%

Percentage of the mixture consisting of ingredient(s) of

unknown acute oral toxicity: > 60%

Ingredients of unknown ecotoxicity

: MBS Transfection Kit

Soltuion 3

Contains 98.8% of components with unknown hazards to

the aquatic environment

See Section 16 for the full text of the H statements declared above.

See Section 11 for more detailed information on health effects and symptoms.

2.2 Label elements

Hazard pictograms : MBS Transfection Kit

Solution 1



Signal word : MBS Transfection Kit

Solution 1

MBS Transfection Kit

Solution 2

MBS Transfection Kit

Soltuion 3

pCMV ß-Gal Control

Plasmid

Solution 1

MBS Transfection Kit

Solution 2

MBS Transfection Kit

Soltuion 3

pCMV ß-Gal Control

Warning

No signal word.

No signal word.

No signal word.

: MBS Transfection Kit H319 - Causes serious eye irritation.

No known significant effects or critical hazards.

No known significant effects or critical hazards.

Plasmid

No known significant effects or critical hazards.

Precautionary statements

Prevention

Hazard statements

: MBS Transfection Kit

Solution 1

Not applicable.

MBS Transfection Kit

Solution 2

MBS Transfection Kit

Not applicable.

Soltuion 3

pCMV \(\mathbb{G}\)-Gal Control

Not applicable.

Plasmid

: MBS Transfection Kit Response

Solution 1

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present

and easy to do. Continue rinsing.

P280 - Wear eye or face protection.

P337 + P313 - If eye irritation persists: Get medical advice or

attention.

Not applicable.

Not applicable.

MBS Transfection Kit

Solution 2

MBS Transfection Kit

Soltuion 3

pCMV ß-Gal Control Not applicable.

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SECTION 2: Hazards identification

Plasmid

MBS Transfection Kit **Storage** Not applicable.

Solution 1

MBS Transfection Kit Not applicable.

Solution 2

MBS Transfection Kit Not applicable.

Soltuion 3

pCMV ß-Gal Control Not applicable.

Plasmid

Disposal : MBS Transfection Kit Not applicable.

Solution 1

MBS Transfection Kit Not applicable.

Solution 2

MBS Transfection Kit Not applicable.

Soltuion 3

pCMV ß-Gal Control Not applicable.

Plasmid

Supplemental label : MBS Transfection Kit Not applicable.

Solution 1

MBS Transfection Kit Not applicable.

Solution 2

MBS Transfection Kit Safety data sheet available on request.

Soltuion 3

pCMV \(\mathbb{G}\)-Gal Control Not applicable.

Plasmid

MBS Transfection Kit **Annex XVII - Restrictions** Not applicable. Solution 1

on the manufacture, placing on the market and use of certain

mixtures and articles

fastenings

elements

MBS Transfection Kit Not applicable.

Solution 2 dangerous substances,

MBS Transfection Kit Not applicable.

Soltuion 3

pCMV ß-Gal Control Not applicable.

Plasmid

Special packaging requirements

: MBS Transfection Kit Containers to be fitted Not applicable. with child-resistant Solution 1

> MBS Transfection Kit Not applicable.

Solution 2

MBS Transfection Kit Not applicable.

Soltuion 3

pCMV ß-Gal Control Not applicable.

Plasmid

: MBS Transfection Kit **Tactile warning of** Not applicable.

Solution 1

danger MBS Transfection Kit Not applicable.

Solution 2

MBS Transfection Kit Not applicable.

Soltuion 3

pCMV ß-Gal Control Not applicable.

Plasmid

2.3 Other hazards

Annex XIII

Product meets the : MBS Transfection Kit This mixture does not contain any substances that are criteria for PBT or vPvB Solution 1 assessed to be a PBT or a vPvB. MBS Transfection Kit This mixture does not contain any substances that are according to Regulation Solution 2 assessed to be a PBT or a vPvB. (EC) No. 1907/2006,

MBS Transfection Kit This mixture does not contain any substances that are

Soltuion 3 assessed to be a PBT or a vPvB.

This mixture does not contain any substances that are pCMV ß-Gal Control Plasmid assessed to be a PBT or a vPvB.

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SECTION 2: Hazards identification

Other hazards which do

not result in classification

: MBS Transfection Kit

Solution 1

MBS Transfection Kit

Solution 2

MBS Transfection Kit

Soltuion 3

pCMV ß-Gal Control

. Plasmid None known.

None known.

None known.

None known.

SECTION 3: Composition/information on ingredients

3.1 Substances

: MBS Transfection Kit Solution 1 MBS Transfection Kit Solution 2 MBS Transfection Kit Solution 3 MBS Transfection Kit Solution 1 MBS Transfection Kit Solution 2 MBS Transfection Kit Solution 1 MBS Transfection Kit Solution 2 MBS Transfection Kit Solution 3 MBS Transfection Kit Solutio

Mixture Mixture Mixture Mixture

Product/ingredient name	Identifiers	%	Classification	Type
MBS Transfection Kit Solution 1				
Calcium chloride (CaCl2), dihydrate	EC: 233-140-8 CAS: 10035-04-8 Index: 017-013-00-2	≥25 - ≤50	Eye Irrit. 2, H319	[1]
MBS Transfection Kit Soltuion 3				
ethanol	EC: 200-578-6 CAS: 64-17-5 Index: 603-002-00-5	≤3	Flam. Liq. 2, H225 Eye Irrit. 2, H319	[1] [2]
			See Section 16 for the full text of the H statements declared above.	

There are no additional ingredients present which, within the current knowledge of the supplier, are classified and contribute to the classification of the substance and hence require reporting in this section.

Type

MBS Transfection Kit Solution 1
MBS Transfection Kit Solution 3

- [1] Substance classified with a health or environmental hazard
- [1] Substance classified with a health or environmental hazard

[2] Substance with a workplace exposure limit

Occupational exposure limits, if available, are listed in Section 8.

SECTION 4: First aid measures

4.1 Description of first aid measures

Eye contact

: MBS Transfection Kit

Solution 1

MBS Transfection Kit Solution 2

MBS Transfection Kit Soltuion 3

pCMV ß-Gal Control Plasmid

Inhalation

: MBS Transfection Kit Solution 1 Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.

Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.

Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately.

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SECTION 4: First aid measures

Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. MBS Transfection Kit Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms Solution 2 occur. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours. MBS Transfection Kit Remove victim to fresh air and keep at rest in a position Soltuion 3 comfortable for breathing. Get medical attention if symptoms occur. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours. pCMV ß-Gal Control Remove victim to fresh air and keep at rest in a position Plasmid comfortable for breathing. Get medical attention if symptoms **Skin contact** : MBS Transfection Kit Flush contaminated skin with plenty of water. Remove Solution 1 contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse. MBS Transfection Kit Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if Solution 2 symptoms occur. MBS Transfection Kit Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if Soltuion 3 pCMV ß-Gal Control Flush contaminated skin with plenty of water. Remove Plasmid contaminated clothing and shoes. Get medical attention if symptoms occur. : MBS Transfection Kit Wash out mouth with water. Remove dentures if any. If Ingestion Solution 1 material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. MBS Transfection Kit Wash out mouth with water. If material has been swallowed Solution 2 and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur. MBS Transfection Kit Wash out mouth with water. If material has been swallowed Soltuion 3 and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur. pCMV ß-Gal Control Wash out mouth with water. If material has been swallowed Plasmid and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur. **Protection of first-aiders** : MBS Transfection Kit No action shall be taken involving any personal risk or without Solution 1 suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. MBS Transfection Kit No action shall be taken involving any personal risk or without

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Solution 2

Soltuion 3

MBS Transfection Kit

pCMV ß-Gal Control

suitable training.

suitable training.

No action shall be taken involving any personal risk or without

No action shall be taken involving any personal risk or without

SECTION 4: First aid measures

Plasmid suitable training.

4.2 Most important symptoms and effects, both acute and delayed

Over-exposure signs/symptoms

Inhalation

Notes to physician

Specific treatments

: MBS Transfection Kit **Eye contact** Adverse symptoms may include the following:

Solution 1

pain or irritation watering redness

No specific data.

Treat symptomatically. Contact poison treatment specialist

In case of inhalation of decomposition products in a fire,

In case of inhalation of decomposition products in a fire,

to be kept under medical surveillance for 48 hours.

to be kept under medical surveillance for 48 hours.

immediately if large quantities have been ingested or inhaled.

symptoms may be delayed. The exposed person may need

symptoms may be delayed. The exposed person may need

Treat symptomatically. Contact poison treatment specialist

immediately if large quantities have been ingested or inhaled.

MBS Transfection Kit

Solution 2

MBS Transfection Kit

Soltuion 3

pCMV ß-Gal Control

Plasmid

: MBS Transfection Kit

Solution 1

MBS Transfection Kit

Solution 2

MBS Transfection Kit

Soltuion 3

pCMV ß-Gal Control

Plasmid

Skin contact : MBS Transfection Kit

Solution 1

MBS Transfection Kit

Solution 2

MBS Transfection Kit

Soltuion 3

pCMV ß-Gal Control

Plasmid

Ingestion : MBS Transfection Kit

Solution 1

MBS Transfection Kit

Solution 2

MBS Transfection Kit

Soltuion 3

pCMV ß-Gal Control

Plasmid

4.3 Indication of any immediate medical attention and special treatment needed : MBS Transfection Kit

Solution 1

MBS Transfection Kit

Solution 2

MBS Transfection Kit

Soltuion 3

pCMV ß-Gal Control

Plasmid

: MBS Transfection Kit

Solution 1

MBS Transfection Kit

Solution 2

MBS Transfection Kit

Soltuion 3

pCMV ß-Gal Control

Plasmid

No specific treatment.

No specific treatment.

No specific treatment.

No specific treatment.

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SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

: MBS Transfection Kit

MBS Transfection Kit

Use an extinguishing agent suitable for the surrounding fire.

Solution 1

Use an extinguishing agent suitable for the surrounding fire.

Solution 2

Use an extinguishing agent suitable for the surrounding fire.

MBS Transfection Kit Soltuion 3

pCMV ß-Gal Control

Use an extinguishing agent suitable for the surrounding fire.

Plasmid

media

Unsuitable extinguishing : MBS Transfection Kit

Solution 1

MBS Transfection Kit

Solution 2

MBS Transfection Kit

Soltuion 3

pCMV ß-Gal Control

Plasmid

None known.

None known.

None known.

None known.

5.2 Special hazards arising from the substance or mixture

Hazards from the substance or mixture : MBS Transfection Kit

Solution 1

MBS Transfection Kit

Solution 2

MBS Transfection Kit

Soltuion 3

pCMV ß-Gal Control

Plasmid

In a fire or if heated, a pressure increase will occur and the container may burst.

container may burst.

container may burst.

container may burst.

Hazardous combustion products

: MBS Transfection Kit

Solution 1

halogenated compounds

metal oxide/oxides

MBS Transfection Kit

Solution 2

Decomposition products may include the following materials:

In a fire or if heated, a pressure increase will occur and the

In a fire or if heated, a pressure increase will occur and the

In a fire or if heated, a pressure increase will occur and the

Decomposition products may include the following materials:

carbon dioxide carbon monoxide nitrogen oxides sulfur oxides

halogenated compounds metal oxide/oxides

MBS Transfection Kit

Soltuion 3

Decomposition products may include the following materials:

carbon dioxide carbon monoxide nitrogen oxides sulfur oxides phosphorus oxides

pCMV ß-Gal Control

Plasmid

No specific data.

5.3 Advice for firefighters Special protective

actions for fire-fighters

: MBS Transfection Kit Solution 1

MBS Transfection Kit Solution 2

MBS Transfection Kit Soltuion 3

pCMV ß-Gal Control Plasmid

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be

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SECTION 5: Firefighting measures

Special protective equipment for firefighters

: MBS Transfection Kit Solution 1

taken involving any personal risk or without suitable training. Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

MBS Transfection Kit

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full

Solution 2

face-piece operated in positive pressure mode.

MBS Transfection Kit Soltuion 3

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full

face-piece operated in positive pressure mode.

pCMV ß-Gal Control Plasmid

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full

face-piece operated in positive pressure mode.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

: MBS Transfection Kit Solution 1

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

MBS Transfection Kit Solution 2

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.

MBS Transfection Kit Soltuion 3

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.

pCMV ß-Gal Control Plasmid

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.

For emergency responders

: MBS Transfection Kit Solution 1

If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For nonemergency personnel".

MBS Transfection Kit Solution 2

If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For nonemergency personnel".

MBS Transfection Kit Soltuion 3

If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-

emergency personnel".

pCMV ß-Gal Control Plasmid

If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-

emergency personnel".

6.2 Environmental precautions

: MBS Transfection Kit Solution 1

Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

MBS Transfection Kit Solution 2

Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution

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SECTION 6: Accidental release measures

(sewers, waterways, soil or air).

MBS Transfection Kit

Soltuion 3

Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution

(sewers, waterways, soil or air).

pCMV ß-Gal Control

Plasmid

Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution

(sewers, waterways, soil or air).

6.3 Methods and material for containment and cleaning up

: MBS Transfection Kit Methods for cleaning up

Solution 1

Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose

of via a licensed waste disposal contractor.

MBS Transfection Kit

Solution 2

Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

MBS Transfection Kit

Soltuion 3

Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

pCMV ß-Gal Control

Plasmid

Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose

of via a licensed waste disposal contractor.

6.4 Reference to other sections

: See Section 1 for emergency contact information.

See Section 8 for information on appropriate personal protective equipment.

See Section 13 for additional waste treatment information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Protective measures

: MBS Transfection Kit

Solution 1

Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapour or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be

hazardous. Do not reuse container.

MBS Transfection Kit

Solution 2

MBS Transfection Kit

Soltuion 3

pCMV ß-Gal Control

Plasmid

Put on appropriate personal protective equipment (see Section 8).

Put on appropriate personal protective equipment (see

Section 8). Put on appropriate personal protective equipment (see

Section 8).

Advice on general occupational hygiene : MBS Transfection Kit

Solution 1

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed.

Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8

for additional information on hygiene measures.

MBS Transfection Kit

Solution 2

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed.

Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective

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SECTION 7: Handling and storage

MBS Transfection Kit Soltuion 3

equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed.

Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8

for additional information on hygiene measures.

pCMV ß-Gal Control Plasmid

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective

equipment before entering eating areas. See also Section 8

for additional information on hygiene measures.

7.2 Conditions for safe storage, including any incompatibilities

Storage

: MBS Transfection Kit Solution 1

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and wellventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

MBS Transfection Kit Solution 2

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and wellventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

MBS Transfection Kit Soltuion 3

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and wellventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

pCMV ß-Gal Control

Plasmid

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and wellventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials

before handling or use.

7.3 Specific end use(s)

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Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II - United Kingdom (UK)

MBS Mammalian Transfection Kit, Part Number 200388

SECTION 7: Handling and storage

Recommendations MBS Transfection Kit Industrial applications, Professional applications.

Solution 1

MBS Transfection Kit Industrial applications, Professional applications.

Solution 2

MBS Transfection Kit pCMV ß-Gal Control

Soltuion 3

Industrial applications, Professional applications.

Industrial applications, Professional applications.

Plasmid

Industrial sector specific solutions

MBS Transfection Kit

Solution 1

MBS Transfection Kit

Solution 2

MBS Transfection Kit

Soltuion 3

pCMV ß-Gal Control

Plasmid

Not available. Not available.

Not available.

Not available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits

Product/ingredient name	Exposure limit values
MBS Transfection Kit Soltuion 3 ethanol	EH40/2005 WELs (United Kingdom (UK), 1/2020). TWA: 1000 ppm 8 hours. TWA: 1920 mg/m³ 8 hours.

Biological exposure indices

No exposure indices known.

Recommended monitoring procedures : Reference should be made to appropriate monitoring standards. Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

DNELs/DMELs

Product/ingredient name	Type	Exposure	Value	Population	Effects
MBS Transfection Kit Solution 1					
Calcium chloride (CaCl2), dihydrate	DNEL	Short term Inhalation	5 mg/m³	General population	Local
	DNEL	Long term Inhalation	5 mg/m³	Workers	Local
	DNEL	Short term Inhalation	10 mg/m³	Workers	Local
	DNEL	Long term Inhalation	2.5 mg/m ³	General population	Local
MBS Transfection Kit Soltuion 3					
ethanol	DNEL	Long term Inhalation	380 mg/m ³	Workers	Systemic
	DNEL	Long term Oral	87 mg/kg bw/day	General population	Systemic
	DNEL	Long term Inhalation	114 mg/m³	General population	Systemic
	DNEL	Long term Dermal	206 mg/kg bw/day	General population	Systemic
	DNEL	Long term Dermal	343 mg/kg bw/day	Workers	Systemic
	DNEL	Short term Inhalation	950 mg/m³	General population	Local
	DNEL	Short term Inhalation	1900 mg/ m³	Workers	Local

PNECs

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SECTION 8: Exposure controls/personal protection

No PNECs available

8.2 Exposure controls

Appropriate engineering controls

: Sood general ventilation should be sufficient to control worker exposure to airborne contaminants.

Individual protection measures

Hygiene measures

: Mash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection

: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with sideshields.

Skin protection

Hand protection

: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

Body protection

: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Other skin protection

Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection

: Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

Environmental exposure controls Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

SECTION 9: Physical and chemical properties

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

9.1 Information on basic physical and chemical properties

Appearance

Physical state : MBS Transfection Kit Liquid.

Solution 1

MBS Transfection Kit Liquid.

Solution 2

MBS Transfection Kit Liquid.

Soltuion 3

pCMV ß-Gal Control Liquid.

Plasmid

: MBS Transfection Kit

Not available.

Colour Solution 1

MBS Transfection Kit Not available.

Solution 2

MBS Transfection Kit

Not available.

Soltuion 3

pCMV ß-Gal Control Not available.

Plasmid

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SECTION 9: Physical and chemical properties

MBS Transfection Kit Not available. **Odour**

Solution 1

MBS Transfection Kit

Solution 2

MBS Transfection Kit

Soltuion 3

pCMV ß-Gal Control

Plasmid

Not available.

Not available.

Not available.

Not available.

Odour threshold : MBS Transfection Kit

Solution 1

MBS Transfection Kit

Solution 2

Not available.

MBS Transfection Kit

Soltuion 3

Not available.

pCMV \(\mathbb{G}\)-Gal Control

Not available.

Plasmid

Melting point/freezing point

MBS Transfection Kit

Not available.

Solution 1

MBS Transfection Kit

Solution 2

 $0^{\circ}C$

MBS Transfection Kit

Soltuion 3

Not available.

pCMV ß-Gal Control

Plasmid

0°C

Initial boiling point and boiling range

MBS Transfection Kit

Not available.

Solution 1

MBS Transfection Kit

100°C

Solution 2

MBS Transfection Kit

Not available.

Soltuion 3

pCMV ß-Gal Control **Plasmid**

100°C

Flammability

: MBS Transfection Kit

Solution 1

Not applicable.

MBS Transfection Kit Solution 2

MBS Transfection Kit

Not applicable.

Not applicable.

Soltuion 3

pCMV ß-Gal Control

Not applicable.

Plasmid

or explosive limits

MBS Transfection Kit **Upper/lower flammability**: Solution 1

Not available.

MBS Transfection Kit

Solution 2

Not available.

MBS Transfection Kit

Not available.

Soltuion 3

pCMV ß-Gal Control Not available.

Plasmid

Flash point

	CI	osed cup	Open cup		
Ingredient name	°C	Method	°C	Method	
MBS Transfection Kit Soltuion 3					
ethanol	9.7	Abel-Pensky	-	-	

Auto-ignition temperature

Ingredient name	°C	Method
MBS Transfection Kit Soltuion 3		
ethanol	455	DIN 51794

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SECTION 9: Physical and chemical properties

Decomposition temperature

pH

MBS Transfection Kit

Not available.

Solution 1

MBS Transfection Kit

Not available.

Solution 2

MBS Transfection Kit

Not available.

Soltuion 3

pCMV ß-Gal Control

Not available.

Plasmid

: MBS Transfection Kit

Not available.

Solution 1

MBS Transfection Kit 6.95

Solution 2

MBS Transfection Kit

0.00

Soltuion 3

Not available.

pCMV ß-Gal Control

ontrol Not available.

Plasmid

Viscosity : MBS Transfection Kit

Not available.

Solution 1

MBS Transfection Kit

Not available.

Solution 2

MBS Transfection Kit

Not available.

Soltuion 3

pCMV ß-Gal Control

Not available.

Plasmid

Solubility(ies)

Media	Result
MBS Transfection Kit Solution 1	
water	Soluble
MBS Transfection Kit Solution 2	
water	Soluble
MBS Transfection Kit Soltuion 3	
water	Soluble
pCMV ß-Gal Control Plasmid	
water	Soluble

Partition coefficient: noctanol/water MBS Transfection Kit

Not applicable.

Solution 1

MBS Transfection Kit

Not applicable.

Solution 2

MBS Transfection Kit

Not applicable.

Soltuion 3

pCMV ß-Gal Control Not applicable.

Plasmid

Vapour pressure

	Vapour Pressure at 20°C		Vap	sure at 50°C		
Ingredient name	mm Hg	kPa	Method	mm Hg	kPa	Method
MBS Transfection Kit Solution 1						
water	17.5	2.3	-	92.258	12.3	-
MBS Transfection Kit Solution 2						
water	17.5	2.3	-	92.258	12.3	-
MBS Transfection Kit Soltuion 3						
ethanol	42.94865	5.7	-	_	-	-

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MBS Mammalian Transfection Kit, Part Number 200388 SECTION 9: Physical and chemical properties pCMV ß-Gal **Control Plasmid** 17.5 2.3 92.258 12.3 water **Evaporation rate** MBS Transfection Kit Not available. Solution 1 MBS Transfection Kit Not available. Solution 2 MBS Transfection Kit Not available. Soltuion 3 pCMV ß-Gal Control Not available. Plasmid **Relative density** : MBS Transfection Kit Not available. Solution 1 MBS Transfection Kit Not available. Solution 2 MBS Transfection Kit Not available. Soltuion 3 pCMV ß-Gal Control Not available. Plasmid Vapour density MBS Transfection Kit Not available. Solution 1 MBS Transfection Kit Not available. Solution 2 MBS Transfection Kit Not available. Soltuion 3 pCMV ß-Gal Control Not available. Plasmid **Explosive properties** : MBS Transfection Kit Not available. Solution 1 MBS Transfection Kit Not available. Solution 2 MBS Transfection Kit Not available. Soltuion 3 pCMV ß-Gal Control Not available. Plasmid **Oxidising properties** : MBS Transfection Kit Not available. Solution 1 MBS Transfection Kit Not available. Solution 2 MBS Transfection Kit Not available. Soltuion 3 pCMV ß-Gal Control Not available. Plasmid **Particle characteristics** Median particle size : MBS Transfection Kit Not applicable. Solution 1 MBS Transfection Kit Not applicable. Solution 2 MBS Transfection Kit Not applicable. Soltuion 3

9.2 Other information

No additional information.

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Not applicable.

pCMV ß-Gal Control

Plasmid

SECTION 10: Stability and reactivity

10.1 Reactivity

: MBS Transfection Kit

Solution 1

product or its ingredients.

MBS Transfection Kit

Solution 2

No specific test data related to reactivity available for this product or its ingredients.

No specific test data related to reactivity available for this

MBS Transfection Kit Soltuion 3

No specific test data related to reactivity available for this product or its ingredients.

pCMV ß-Gal Control

No specific test data related to reactivity available for this

Plasmid

product or its ingredients.

10.2 Chemical stability

: MBS Transfection Kit Solution 1

The product is stable.

MBS Transfection Kit

The product is stable.

Solution 2 MBS Transfection Kit

The product is stable.

Soltuion 3

pCMV ß-Gal Control

Plasmid

The product is stable.

10.3 Possibility of hazardous reactions : MBS Transfection Kit Solution 1

Under normal conditions of storage and use, hazardous reactions will not occur.

MBS Transfection Kit Solution 2

Under normal conditions of storage and use, hazardous

MBS Transfection Kit Soltuion 3

reactions will not occur. Under normal conditions of storage and use, hazardous

reactions will not occur.

pCMV ß-Gal Control Plasmid

Under normal conditions of storage and use, hazardous

reactions will not occur.

10.4 Conditions to avoid

MBS Transfection Kit Solution 1

No specific data.

MBS Transfection Kit Solution 2

No specific data.

MBS Transfection Kit

No specific data.

Soltuion 3 pCMV ß-Gal Control

Plasmid

No specific data.

10.5 Incompatible materials

: MBS Transfection Kit Solution 1

May react or be incompatible with oxidising materials.

MBS Transfection Kit Solution 2

May react or be incompatible with oxidising materials.

MBS Transfection Kit Soltuion 3

May react or be incompatible with oxidising materials.

pCMV ß-Gal Control Plasmid

May react or be incompatible with oxidising materials.

10.6 Hazardous decomposition products : MBS Transfection Kit Solution 1

MBS Transfection Kit

Solution 2 MBS Transfection Kit Soltuion 3

pCMV \(\mathbb{G}\)-Gal Control Plasmid

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Under normal conditions of storage and use, hazardous decomposition products should not be produced. Under normal conditions of storage and use, hazardous

decomposition products should not be produced.

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

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SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
MBS Transfection Kit Soltuion 3				
	LC50 Inhalation Vapour LD50 Oral	Rat Rat	124700 mg/m³ 7 g/kg	4 hours

Acute toxicity estimates

Product/ingredient name	Oral (mg/ kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	(vapours)	
MBS Transfection Kit Soltuion 3 ethanol	7000	N/A	N/A	124.7	N/A

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
MBS Transfection Kit Soltuion 3					
ethanol	Eyes - Mild irritant	Rabbit	-	24 hours 500 mg	-
	Eyes - Moderate irritant	Rabbit	-	0.066666667 minutes 100	-
	Eyes - Moderate irritant	Rabbit	-	mg 100 uL	-

Sensitiser

Conclusion/Summary

: Not available.

Mutagenicity

Conclusion/Summary

: Not available.

Carcinogenicity

Conclusion/Summary

: Not available.

Reproductive toxicity

Conclusion/Summary

: Not available.

Teratogenicity

Conclusion/Summary : Not available.

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Not available.

Information on likely routes of exposure

: MBS Transfection Kit

Solution 1

MBS Transfection Kit

Solution 2

MBS Transfection Kit

Soltuion 3

pCMV ß-Gal Control

Plasmid

Routes of entry anticipated: Oral, Dermal, Inhalation, Eyes.

Routes of entry anticipated: Oral, Dermal, Inhalation, Eyes.

Routes of entry anticipated: Oral, Dermal, Inhalation, Eyes.

Not available.

Potential acute health effects

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SECTION 11: Toxicological information

Inhalation : MBS Transfection Kit No known significant effects or critical hazards.

Solution 1

MBS Transfection Kit No known significant effects or critical hazards.

Solution 2

MBS Transfection Kit No known significant effects or critical hazards.

Soltuion 3

pCMV ß-Gal Control No known significant effects or critical hazards.

Plasmid

Ingestion: MBS Transfection Kit No known significant effects or critical hazards.

Solution 1

MBS Transfection Kit No known significant effects or critical hazards.

Solution 2

MBS Transfection Kit No known significant effects or critical hazards.

Soltuion 3

pCMV ß-Gal Control No known significant effects or critical hazards.

Plasmid

Skin contact: MBS Transfection Kit No known significant effects or critical hazards.

Solution 1

MBS Transfection Kit No known significant effects or critical hazards.

Solution 2

MBS Transfection Kit No known significant effects or critical hazards.

Soltuion 3

pCMV ß-Gal Control No known significant effects or critical hazards.

Plasmid

Eye contact: MBS Transfection Kit Causes serious eye irritation.

Solution 1

MBS Transfection Kit No known significant effects or critical hazards.

Solution 2

MBS Transfection Kit No known significant effects or critical hazards.

Soltuion 3

pCMV ß-Gal Control No known significant effects or critical hazards.

Plasmid

Symptoms related to the physical, chemical and toxicological characteristics

Inhalation : MBS Transfection Kit No specific data.

Solution 1

MBS Transfection Kit No specific data.

Solution 2

MBS Transfection Kit No specific data.

Soltuion 3

pCMV ß-Gal Control No specific data.

Plasmid

Ingestion : MBS Transfection Kit No specific data.

Solution 1

MBS Transfection Kit No specific data.

Solution 2

MBS Transfection Kit No specific data.

Soltuion 3

pCMV ß-Gal Control No specific data.

Plasmid

Skin contact: MBS Transfection Kit No specific data.

Solution 1

MBS Transfection Kit No specific data.

Solution 2

MBS Transfection Kit No specific data.

Soltuion 3

pCMV ß-Gal Control No specific data.

. Plasmid

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SECTION 11: Toxicological information

: MBS Transfection Kit **Eye contact**

Solution 1

Adverse symptoms may include the following:

pain or irritation watering redness

MBS Transfection Kit

Solution 2

MBS Transfection Kit

Soltuion 3

pCMV ß-Gal Control

No specific data. No specific data.

No specific data.

Plasmid

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Short term exposure

Potential immediate

effects

: Not available.

Potential delayed

effects

: Not available.

Long term exposure

Potential immediate

effects

: Not available.

Potential delayed

effects

: Not available.

Potential chronic health effects

Conclusion/Summary : Not available.

: MBS Transfection Kit General No known significant effects or critical hazards.

Solution 1

MBS Transfection Kit No known significant effects or critical hazards.

Solution 2

No known significant effects or critical hazards. MBS Transfection Kit

Soltuion 3

No known significant effects or critical hazards. pCMV ß-Gal Control

Plasmid

Carcinogenicity : MBS Transfection Kit No known significant effects or critical hazards.

Solution 1

MBS Transfection Kit No known significant effects or critical hazards.

Solution 2

MBS Transfection Kit No known significant effects or critical hazards.

Soltuion 3

pCMV ß-Gal Control No known significant effects or critical hazards.

Plasmid

Mutagenicity : MBS Transfection Kit No known significant effects or critical hazards.

Solution 1

MBS Transfection Kit No known significant effects or critical hazards.

Solution 2

MBS Transfection Kit No known significant effects or critical hazards.

Soltuion 3

pCMV ß-Gal Control No known significant effects or critical hazards.

Plasmid

Reproductive toxicity : MBS Transfection Kit No known significant effects or critical hazards.

Solution 1

MBS Transfection Kit No known significant effects or critical hazards.

Solution 2

MBS Transfection Kit No known significant effects or critical hazards.

Soltuion 3

Solution 2

No known significant effects or critical hazards. pCMV ß-Gal Control

Plasmid

Other information : MBS Transfection Kit Adverse symptoms may include the following: May cause

skin sensitisation.

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SECTION 12: Ecological information

12.1 Toxicity

Product/ingredient name	Result	Species	Exposure
MBS Transfection Kit			
Solution 1			
Calcium chloride (CaCl2), dihydrate	Acute EC50 2900 mg/l Fresh water	Algae	72 hours
	Acute NOEC 2000 mg/l Fresh water	Daphnia	48 hours
MBS Transfection Kit Soltuion 3			
ethanol	Acute EC50 3306 mg/l Marine water	Algae - Green algae - <i>Ulva</i> pertusa	96 hours
	Acute EC50 1074 mg/l Fresh water	Crustaceans - Ostracod - Cypris subglobosa	48 hours
	Acute EC50 2 mg/l Fresh water	Daphnia - Water flea - Daphnia magna	48 hours
	Acute LC50 11000000 μg/l Marine water	Fish - Bleak - Alburnus alburnus	96 hours
	Chronic NOEC 4.995 mg/l Marine water	Algae - Green algae - <i>Ulva</i> pertusa	96 hours
	Chronic NOEC 100 ul/L Fresh water	Daphnia - Water flea - <i>Daphnia</i> magna - Neonate	21 days

Conclusion/Summary: Not available.

12.2 Persistence and degradability

Conclusion/Summary: Not available.

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
MBS Transfection Kit Soltuion 3			
ethanol	-	-	Readily

12.3 Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
MBS Transfection Kit Soltuion 3			
ethanol	-0.35	0.5	Low

12.4 Mobility in soil

Soil/water partition

coefficient (Koc)

: Not available.

Mobility : Not available.

12.5 Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

12.6 Other adverse effects: No known significant effects or critical hazards.

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SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Methods of disposal

: The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.

Hazardous waste

: Within the present knowledge of the supplier, this product is not regarded as hazardous waste, as defined by EU Directive 2008/98/EC.

Packaging

Methods of disposal

: The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

Special precautions

: This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14: Transport information

	ADR/RID	IMDG	IATA
14.1 UN number	Not regulated.	Not regulated.	Not regulated.
14.2 UN proper shipping name	-	-	-
14.3 Transport hazard class(es)	-	-	-
14.4 Packing group	-	-	-
14.5 Environmental hazards	No.	No.	No.

Additional information

14.6 Special precautions for user

: **Transport within user's premises**: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

14.7 Transport in bulk according to IMO instruments

: Not available.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture UK (GB)/REACH

Annex XIV - List of substances subject to authorisation

Annex XIV

None of the components are listed.

Substances of very high concern

None of the components are listed.

Ozone depleting substances

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SECTION 15: Regulatory information

Not listed.

Prior Informed Consent (PIC)

Not listed.

Persistent Organic Pollutants

Not listed.

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles

Product / Ingredient name	Identifiers	Status
MBS Transfection Kit Solution 1 MBS Transfection Kit Solution 1		3

Label : MBS Transfection Kit Solution Not applicable.

1

MBS Transfection Kit Solution Not applicable.

2

MBS Transfection Kit Soltuion Not applicable.

3

pCMV ß-Gal Control Plasmid Not applicable.

Seveso Directive

This product is not controlled under the Seveso Directive.

EU regulations

Industrial emissions : Not listed

(integrated pollution prevention and control) -

Air

Industrial emissions : Not listed

(integrated pollution prevention and control) -

Water

15.2 Chemical safety : This product contains substances for which Chemical Safety Assessments might still be

assessment required.

International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

Montreal Protocol

Not listed.

Stockholm Convention on Persistent Organic Pollutants

Not listed.

Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

Inventory list

United States : Not determined.

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Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II - United Kingdom (UK)

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SECTION 16: Other information

Indicates information that has changed from previously issued version.

Abbreviations and acronyms

: ATE = Acute Toxicity Estimate

CLP = Classification, Labelling and Packaging Regulation (EC) No.

1272/20081

DMEL = Derived Minimal Effect Level
DNEL = Derived No Effect Level

EUH statement = CLP-specific Hazard statement

N/A = Not available

PBT = Persistent, Bioaccumulative and Toxic PNEC = Predicted No Effect Concentration RRN = REACH Registration Number

vPvB = Very Persistent and Very Bioaccumulative

Procedure used to derive the classification

Classification	Justification	
MBS Transfection Kit Solution 1		
Eye Irrit. 2, H319	Calculation method	

Full text of abbreviated H statements

MBS

Transfection Kit Solution 1

H319 Causes serious eye irritation.

MBS

Transfection Kit Soltuion 3

H225 Highly flammable liquid and vapour.H319 Causes serious eye irritation.

Full text of classifications

MBS Transfection Kit Solution 1

Eye Irrit. 2 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2

MBS Transfection Kit Soltuion 3

Eye Irrit. 2 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2

Flam. Liq. 2 FLAMMABLE LIQUIDS - Category 2

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