

# SAFETY DATA SHEET



Prime-It RmT Random Primer Labeling Kit, Part Number 300392

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

### 1.1 Product identifier

**Product name** : Prime-It RmT Random Primer Labeling Kit, Part Number 300392  
**Part No. (Kit)** : 300392  
**Part No.** : Prime-It Reaction Strips 300392-161  
Prime-It Control DNA 300392-131  
Prime-It Room Temp 300392-15  
Stop Mix  
Prime-It Room Temp 300392-14  
Magenta

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

Identified uses	
Analytical reagent.	
Prime-It Reaction Strips	0.003 g / Tube (24 tubes )
Prime-It Control DNA	0.0003 g
Prime-It Room Temp Stop Mix	0.1 ml
Prime-It Room Temp Magenta	0.08 ml (4 U/μl)

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

Agilent Technologies Manufacturing GmbH & Co. KG  
Hewlett-Packard-Str. 8  
76337 Waldbronn  
Germany  
0800 603 1000

**e-mail address of person responsible for this SDS** : pdl-msds\_author@agilent.com

### 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** : Prime-It Reaction Strips Mixture  
Prime-It Control DNA Mixture  
Prime-It Room Temp Mixture  
Stop Mix  
Prime-It Room Temp Mixture  
Magenta

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

**Prime-It Reaction Strips**  
H360FD TOXIC TO REPRODUCTION (Fertility and Unborn child) - Category 1B

**Prime-It Control DNA**  
H360FD TOXIC TO REPRODUCTION (Fertility and Unborn child) - Category 1B

**Prime-It Room Temp Stop Mix**  
H319 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2

**Date of issue/Date of revision** : 20/05/2016

## SECTION 2: Hazards identification

<b>Ingredients of unknown toxicity</b>	: Prime-It Reaction Strips	Percentage of the mixture consisting of ingredient(s) of unknown toxicity: 20.3%
	Prime-It Control DNA	Not applicable.
	Prime-It Room Temp Stop Mix	Not applicable.
	Prime-It Room Temp Magenta	Not applicable.
<b>Ingredients of unknown ecotoxicity</b>	: Prime-It Reaction Strips	Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 13.2%
	Prime-It Control DNA	Not applicable.
	Prime-It Room Temp Stop Mix	Not applicable.
	Prime-It Room Temp Magenta	Not applicable.

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



#### Signal word

: Prime-It Reaction Strips	Danger
Prime-It Control DNA	Danger
Prime-It Room Temp Stop Mix	Warning
Prime-It Room Temp Magenta	No signal word.

#### Hazard statements

: Prime-It Reaction Strips	<b>GHS08</b> - May damage fertility or the unborn child.
Prime-It Control DNA	<b>GHS08</b> - May damage fertility or the unborn child.
Prime-It Room Temp Stop Mix	<b>GHS07</b> - Causes serious eye irritation.
Prime-It Room Temp Magenta	No known significant effects or critical hazards.

#### Precautionary statements

##### Prevention

: Prime-It Reaction Strips	P201 - Obtain special instructions before use. P280 - Wear protective gloves. Wear eye or face protection. Wear protective clothing.
Prime-It Control DNA	P201 - Obtain special instructions before use. P280 - Wear protective gloves. Wear eye or face protection. Wear protective clothing.
Prime-It Room Temp Stop Mix	P280 - Wear eye or face protection.
Prime-It Room Temp Magenta	P264 - Wash hands thoroughly after handling. Not applicable.

##### Response

: Prime-It Reaction Strips	P308 + P313 - IF exposed or concerned: Get medical attention.
Prime-It Control DNA	P308 + P313 - IF exposed or concerned: Get medical attention.
Prime-It Room Temp Stop Mix	P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Prime-It Room Temp Magenta	Not applicable.

## SECTION 2: Hazards identification

<b>Storage</b>	:	Prime-It Reaction Strips Prime-It Control DNA Prime-It Room Temp Stop Mix Prime-It Room Temp Magenta	P405 - Store locked up. P405 - Store locked up. Not applicable. Not applicable.
<b>Disposal</b>	:	Prime-It Reaction Strips  Prime-It Control DNA  Prime-It Room Temp Stop Mix Prime-It Room Temp Magenta	P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations. P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations. Not applicable. Not applicable.
<b>Hazardous ingredients</b>	:	<b>Prime-It Reaction Strips</b> Disodium tetraborate pentahydrate  <b>Prime-It Control DNA</b> Disodium tetraborate pentahydrate	
<b>Supplemental label elements</b>	:	Prime-It Reaction Strips Prime-It Control DNA Prime-It Room Temp Stop Mix Prime-It Room Temp Magenta	Not applicable. Not applicable. Not applicable. Not applicable.
<b>Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles</b>	:	Prime-It Reaction Strips Prime-It Control DNA Prime-It Room Temp Stop Mix Prime-It Room Temp Magenta	Restricted to professional users. Restricted to professional users. Not applicable. Not applicable.
<b><u>Special packaging requirements</u></b>			
<b>Tactile warning of danger</b>	:	Prime-It Reaction Strips Prime-It Control DNA Prime-It Room Temp Stop Mix Prime-It Room Temp Magenta	Not applicable. Not applicable. Not applicable. Not applicable.
<b>2.3 Other hazards</b>			
<b>Other hazards which do not result in classification</b>	:	Prime-It Reaction Strips Prime-It Control DNA  Prime-It Room Temp Stop Mix Prime-It Room Temp Magenta	None known. May form explosible dust-air mixture if dispersed. Handling and/or processing of this material may generate a dust which can cause mechanical irritation of the eyes, skin, nose and throat. None known. None known.

## SECTION 3: Composition/information on ingredients

<b>3.2 Mixtures</b>	:	Prime-It Reaction Strips Prime-It Control DNA Prime-It Room Temp Stop Mix Prime-It Room Temp Magenta	Mixture Mixture Mixture Mixture
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### SECTION 3: Composition/information on ingredients

Product/ingredient name	Identifiers	%	Classification	Type
<b>Prime-It Reaction Strips</b> Disodium tetraborate pentahydrate	EC: 215-540-4 CAS: 12179-04-3 Index: 005-011-02-9	≥10 - ≤25	Repr. 1B, H360FD (Fertility and Unborn child)	[1]
4-(2-Hydroxyethyl)piperazin-1-ylethanesulphonic acid	EC: 230-907-9 CAS: 7365-45-9	<10	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335	[1]
<b>Prime-It Control DNA</b> Disodium tetraborate pentahydrate	EC: 215-540-4 CAS: 12179-04-3 Index: 005-011-02-9	≥10 - ≤25	Repr. 1B, H360FD (Fertility and Unborn child)	[1]
<b>Prime-It Room Temp Stop Mix</b> Edetic acid	EC: 200-449-4 CAS: 60-00-4 Index: 607-429-00-8	≥10 - ≤25	Eye Irrit. 2, H319	[1]
<b>Prime-It Room Temp Magenta</b> Glycerol	EC: 200-289-5 CAS: 56-81-5	≥50 - ≤75	Not classified.	[2]
Poly(oxy-1,2-ethanediyl), .alpha.-[ (1,1,3,3-tetramethylbutyl)phenyl]-.omega.-hydroxy-	CAS: 9036-19-5	≤0.3	Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 2, H411 <b>See Section 16 for the full text of the H statements declared above.</b>	[1] [5]

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

#### Type

[1] Substance classified with a health or environmental hazard

[2] Substance with a workplace exposure limit

[3] Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII

[4] Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII

[5] Substance of equivalent concern

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

<b>Eye contact</b>	: Prime-It Reaction Strips	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 if irritation occurs.
	Prime-It Control DNA	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 if irritation occurs.
	Prime-It Room Temp Stop Mix	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.
	Prime-It Room Temp Magenta	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.

**SECTION 4: First aid measures**

<b>Inhalation</b>	<b>:</b> Prime-It Reaction Strips	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 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. 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.
	Prime-It Control DNA	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 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.
	Prime-It Room Temp Stop Mix	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. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. 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.
	Prime-It Room Temp Magenta	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
<b>Skin contact</b>	<b>:</b> Prime-It Reaction Strips	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.
	Prime-It Control DNA	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.
	Prime-It Room Temp Stop Mix	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.
	Prime-It Room Temp Magenta	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
<b>Ingestion</b>	<b>:</b> Prime-It Reaction Strips	Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If 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

**SECTION 4: First aid measures**

	lungs. Get medical attention. 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.
Prime-It Control DNA	Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If 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. 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.
Prime-It Room Temp Stop Mix	Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If 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.
Prime-It Room Temp Magenta	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed 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.
<b>Protection of first-aiders</b> : Prime-It Reaction Strips	No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.
Prime-It Control DNA	No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.
Prime-It Room Temp Stop Mix	No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.
Prime-It Room Temp Magenta	No action shall be taken involving any personal risk or without suitable training.

**4.2 Most important symptoms and effects, both acute and delayed****Potential acute health effects**



**SECTION 4: First aid measures**

<b>Eye contact</b>	:	Prime-It Reaction Strips	No known significant effects or critical hazards.
		Prime-It Control DNA	Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the eyes.
		Prime-It Room Temp Stop Mix	Causes serious eye irritation.
		Prime-It Room Temp	No known significant effects or critical hazards.
		Prime-It Room Temp Magenta	
<b>Inhalation</b>	:	Prime-It Reaction Strips	No known significant effects or critical hazards.
		Prime-It Control DNA	Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the nose, throat and lungs.
		Prime-It Room Temp Stop Mix	No known significant effects or critical hazards.
		Prime-It Room Temp	No known significant effects or critical hazards.
		Prime-It Room Temp Magenta	
<b>Skin contact</b>	:	Prime-It Reaction Strips	No known significant effects or critical hazards.
		Prime-It Control DNA	No known significant effects or critical hazards.
		Prime-It Room Temp Stop Mix	No known significant effects or critical hazards.
		Prime-It Room Temp	No known significant effects or critical hazards.
		Prime-It Room Temp Magenta	
<b>Ingestion</b>	:	Prime-It Reaction Strips	No known significant effects or critical hazards.
		Prime-It Control DNA	No known significant effects or critical hazards.
		Prime-It Room Temp Stop Mix	No known significant effects or critical hazards.
		Prime-It Room Temp	No known significant effects or critical hazards.
		Prime-It Room Temp Magenta	

Over-exposure signs/symptoms

<b>Eye contact</b>	:	Prime-It Reaction Strips	No specific data.
		Prime-It Control DNA	Adverse symptoms may include the following: irritation redness
		Prime-It Room Temp Stop Mix	Adverse symptoms may include the following:  pain or irritation watering redness
		Prime-It Room Temp	No specific data.
		Prime-It Room Temp Magenta	
<b>Inhalation</b>	:	Prime-It Reaction Strips	Adverse symptoms may include the following: reduced foetal weight increase in foetal deaths skeletal malformations
		Prime-It Control DNA	Adverse symptoms may include the following: respiratory tract irritation coughing reduced foetal weight increase in foetal deaths skeletal malformations
		Prime-It Room Temp Stop Mix	No specific data.
		Prime-It Room Temp	No specific data.
		Prime-It Room Temp Magenta	
<b>Skin contact</b>	:	Prime-It Reaction Strips	Adverse symptoms may include the following: reduced foetal weight increase in foetal deaths skeletal malformations
		Prime-It Control DNA	Adverse symptoms may include the following: reduced foetal weight increase in foetal deaths skeletal malformations

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	Prime-It Room Temp Stop Mix	No specific data.
	Prime-It Room Temp Magenta	No specific data.
<b>Ingestion</b>	: Prime-It Reaction Strips	Adverse symptoms may include the following: reduced foetal weight increase in foetal deaths skeletal malformations
	Prime-It Control DNA	Adverse symptoms may include the following: reduced foetal weight increase in foetal deaths skeletal malformations
	Prime-It Room Temp Stop Mix	No specific data.
	Prime-It Room Temp Magenta	No specific data.

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

<b>Notes to physician</b>	: Prime-It Reaction Strips	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.
	Prime-It Control DNA	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	Prime-It Room Temp Stop Mix	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.
	Prime-It Room Temp Magenta	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
<b>Specific treatments</b>	: Prime-It Reaction Strips	No specific treatment.
	Prime-It Control DNA	No specific treatment.
	Prime-It Room Temp Stop Mix	No specific treatment.
	Prime-It Room Temp Magenta	No specific treatment.

**SECTION 5: Firefighting measures****5.1 Extinguishing media**

<b>Suitable extinguishing media</b>	: Prime-It Reaction Strips	Use an extinguishing agent suitable for the surrounding fire.
	Prime-It Control DNA	Use dry chemical powder.
	Prime-It Room Temp Stop Mix	Use an extinguishing agent suitable for the surrounding fire.
	Prime-It Room Temp Magenta	Use an extinguishing agent suitable for the surrounding fire.
<b>Unsuitable extinguishing media</b>	: Prime-It Reaction Strips	None known.
	Prime-It Control DNA	Avoid high pressure media which could cause the formation of a potentially explosible dust-air mixture.
	Prime-It Room Temp Stop Mix	None known.
	Prime-It Room Temp Magenta	None known.

**5.2 Special hazards arising from the substance or mixture**

<b>Hazards from the substance or mixture</b>	: Prime-It Reaction Strips	No specific fire or explosion hazard.
	Prime-It Control DNA	May form explosible dust-air mixture if dispersed.
	Prime-It Room Temp Stop Mix	In a fire or if heated, a pressure increase will occur and the container may burst.
	Prime-It Room Temp Magenta	In a fire or if heated, a pressure increase will occur and the container may burst.



**SECTION 5: Firefighting measures**

<b>Hazardous combustion products</b>	: Prime-It Reaction Strips	Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides sulfur oxides metal oxide/oxides
	Prime-It Control DNA	Decomposition products may include the following materials: carbon dioxide carbon monoxide metal oxide/oxides
	Prime-It Room Temp Stop Mix	Decomposition products may include the following materials:  carbon dioxide carbon monoxide nitrogen oxides
	Prime-It Room Temp Magenta	Decomposition products may include the following materials:  carbon dioxide carbon monoxide

**5.3 Advice for firefighters**

<b>Special precautions for fire-fighters</b>	: Prime-It Reaction Strips	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.
	Prime-It Control DNA	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. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.
	Prime-It Room Temp Stop Mix	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.
	Prime-It Room Temp Magenta	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.

<b>Special protective equipment for fire-fighters</b>	: Prime-It Reaction Strips	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
	Prime-It Control DNA	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
	Prime-It Room Temp Stop Mix	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
	Prime-It Room Temp Magenta	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

**SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures**

<b>For non-emergency personnel</b>	: Prime-It Reaction Strips	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 spilled material. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
	Prime-It Control DNA	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 spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing dust. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
	Prime-It Room Temp Stop Mix	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 spilled material. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
	Prime-It Room Temp Magenta	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 spilled material. Put on appropriate personal protective equipment.
<b>For emergency responders</b>	: Prime-It Reaction Strips	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".
	Prime-It Control DNA	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".
	Prime-It Room Temp Stop Mix	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".
	Prime-It Room Temp Magenta	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".
<b>6.2 Environmental precautions</b>	: Prime-It Reaction Strips	Avoid dispersal of spilled 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).
	Prime-It Control DNA	Avoid dispersal of spilled 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).
	Prime-It Room Temp Stop Mix	Avoid dispersal of spilled 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).
	Prime-It Room Temp Magenta	Avoid dispersal of spilled 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).

## SECTION 6: Accidental release measures

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

<b>Methods for cleaning up</b>	: Prime-It Reaction Strips	Move containers from spill area. Avoid dust generation. Do not dry sweep. Vacuum dust with equipment fitted with a HEPA filter and place in a closed, labeled waste container. Dispose of via a licensed waste disposal contractor.
	Prime-It Control DNA	Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Avoid dust generation. Do not dry sweep. Vacuum dust with equipment fitted with a HEPA filter and place in a closed, labeled waste container. Dispose of via a licensed waste disposal contractor.
	Prime-It Room Temp Stop Mix	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.
	Prime-It Room Temp Magenta	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

<b>Protective measures</b>	: Prime-It Reaction Strips	Put on appropriate personal protective equipment (see Section 8). Avoid exposure - obtain special instructions before use. Avoid exposure during pregnancy. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not ingest. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. 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.
	Prime-It Control DNA	Put on appropriate personal protective equipment (see Section 8). Avoid exposure - obtain special instructions before use. Avoid exposure during pregnancy. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing dust. Avoid the creation of dust when handling and avoid all possible sources of ignition (spark or flame). Prevent dust accumulation. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Electrical equipment and lighting should be protected to appropriate standards to prevent dust coming into contact with hot surfaces, sparks or other ignition sources. Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity during transfer by earthing and bonding containers and equipment before transferring material. Empty containers retain product residue and can be hazardous. Do not reuse container.
	Prime-It Room Temp Stop Mix	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

## SECTION 7: Handling and storage

### Advice on general occupational hygiene

Prime-It Room Temp Magenta	:	Prime-It Reaction Strips	compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container. Put on appropriate personal protective equipment (see Section 8).
Prime-It Control DNA	:	Prime-It Reaction Strips	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.
Prime-It Room Temp Stop Mix	:	Prime-It Reaction Strips	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.
Prime-It Room Temp Magenta	:	Prime-It Reaction Strips	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

Prime-It Control DNA	:	Prime-It Reaction Strips	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. 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.
Prime-It Room Temp Stop Mix	:	Prime-It Reaction Strips	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Eliminate all ignition sources. Separate from oxidizing materials. 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.
Prime-It Room Temp Magenta	:	Prime-It Reaction Strips	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated 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.

**SECTION 7: Handling and storage**

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.

**7.3 Specific end use(s)**

<b>Recommendations</b>	: Prime-It Reaction Strips	Industrial applications, Professional applications.
	Prime-It Control DNA	Industrial applications, Professional applications.
	Prime-It Room Temp	Industrial applications, Professional applications.
	Stop Mix	
	Prime-It Room Temp	Industrial applications, Professional applications.
	Magenta	
<b>Industrial sector specific solutions</b>	: Prime-It Reaction Strips	Not applicable.
	Prime-It Control DNA	Not applicable.
	Prime-It Room Temp	Not applicable.
	Stop Mix	
	Prime-It Room Temp	Not applicable.
	Magenta	

**SECTION 8: Exposure controls/personal protection****8.1 Control parameters****Occupational exposure limits**

Product/ingredient name	Exposure limit values
Prime-It Room Temp Magenta Glycerol	<b>EH40/2005 WELs (United Kingdom (UK), 12/2011).</b> TWA: 10 mg/m <sup>3</sup> 8 hours. Form: Mist

**Recommended monitoring procedures** : If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

**DNELs/DMELs**

No DNELs/DMELs available.

**PNECs**

No PNECs available

**8.2 Exposure controls**

**Appropriate engineering controls** : If user operations generate dust, fumes, gas, vapour or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

**Individual protection measures**

**Hygiene measures** : Wash 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.



**SECTION 8: Exposure controls/personal protection**

- 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: chemical splash goggles.
- 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. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.
- 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****9.1 Information on basic physical and chemical properties****Appearance**

- Physical state** : Prime-It Reaction Strips Solid.  
Prime-It Control DNA Solid.  
Prime-It Room Temp Liquid.  
Stop Mix  
Prime-It Room Temp Liquid.  
Magenta
- Colour** : Prime-It Reaction Strips Not available.  
Prime-It Control DNA Not available.  
Prime-It Room Temp Not available.  
Stop Mix  
Prime-It Room Temp Not available.  
Magenta
- Odour** : Prime-It Reaction Strips Not available.  
Prime-It Control DNA Not available.  
Prime-It Room Temp Not available.  
Stop Mix  
Prime-It Room Temp Not available.  
Magenta
- Odour threshold** : Prime-It Reaction Strips Not available.  
Prime-It Control DNA Not available.  
Prime-It Room Temp Not available.  
Stop Mix  
Prime-It Room Temp Not available.  
Magenta
- pH** : Prime-It Reaction Strips Not available.  
Prime-It Control DNA Not available.  
Prime-It Room Temp Not available.  
Stop Mix  
Prime-It Room Temp 7.5  
Magenta



**SECTION 9: Physical and chemical properties**

<b>Melting point/freezing point</b>	:	Prime-It Reaction Strips	Not available.
		Prime-It Control DNA	Not available.
		Prime-It Room Temp	Not available.
		Stop Mix	
		Prime-It Room Temp	Not available.
		Magenta	
<b>Initial boiling point and boiling range</b>	:	Prime-It Reaction Strips	Not available.
		Prime-It Control DNA	Not available.
		Prime-It Room Temp	Not available.
		Stop Mix	
		Prime-It Room Temp	Not available.
		Magenta	
<b>Flash point</b>	:	Prime-It Reaction Strips	Not available.
		Prime-It Control DNA	Not available.
		Prime-It Room Temp	Not available.
		Stop Mix	
		Prime-It Room Temp	Not available.
		Magenta	
<b>Evaporation rate</b>	:	Prime-It Reaction Strips	Not available.
		Prime-It Control DNA	Not available.
		Prime-It Room Temp	Not available.
		Stop Mix	
		Prime-It Room Temp	Not available.
		Magenta	
<b>Flammability (solid, gas)</b>	:	Prime-It Reaction Strips	Not available.
		Prime-It Control DNA	Not available.
		Prime-It Room Temp	Not applicable.
		Stop Mix	
		Prime-It Room Temp	Not applicable.
		Magenta	
<b>Upper/lower flammability or explosive limits</b>	:	Prime-It Reaction Strips	Not available.
		Prime-It Control DNA	Not available.
		Prime-It Room Temp	Not available.
		Stop Mix	
		Prime-It Room Temp	Not available.
		Magenta	
<b>Vapour pressure</b>	:	Prime-It Reaction Strips	Not available.
		Prime-It Control DNA	Not available.
		Prime-It Room Temp	Not available.
		Stop Mix	
		Prime-It Room Temp	Not available.
		Magenta	
<b>Vapour density</b>	:	Prime-It Reaction Strips	Not available.
		Prime-It Control DNA	Not available.
		Prime-It Room Temp	Not available.
		Stop Mix	
		Prime-It Room Temp	Not available.
		Magenta	
<b>Relative density</b>	:	Prime-It Reaction Strips	Not available.
		Prime-It Control DNA	Not available.
		Prime-It Room Temp	Not available.
		Stop Mix	
		Prime-It Room Temp	Not available.
		Magenta	
<b>Solubility(ies)</b>	:	Prime-It Reaction Strips	Not available.
		Prime-It Control DNA	Not available.
		Prime-It Room Temp	Easily soluble in the following materials: cold water and hot water.
		Stop Mix	
		Prime-It Room Temp	Soluble in the following materials: cold water and hot water.
		Magenta	

**SECTION 9: Physical and chemical properties**

<b>Partition coefficient: n-octanol/water</b>	:	Prime-It Reaction Strips	Not available.
		Prime-It Control DNA	Not available.
		Prime-It Room Temp	Not available.
		Stop Mix	
		Prime-It Room Temp Magenta	Not available.
<b>Auto-ignition temperature</b>	:	Prime-It Reaction Strips	Not available.
		Prime-It Control DNA	Not available.
		Prime-It Room Temp	Not available.
		Stop Mix	
		Prime-It Room Temp Magenta	Not available.
<b>Decomposition temperature</b>	:	Prime-It Reaction Strips	Not available.
		Prime-It Control DNA	Not available.
		Prime-It Room Temp	Not available.
		Stop Mix	
		Prime-It Room Temp Magenta	Not available.
<b>Viscosity</b>	:	Prime-It Reaction Strips	Not available.
		Prime-It Control DNA	Not available.
		Prime-It Room Temp	Not available.
		Stop Mix	
		Prime-It Room Temp Magenta	Not available.
<b>Explosive properties</b>	:	Prime-It Reaction Strips	Not available.
		Prime-It Control DNA	Not available.
		Prime-It Room Temp	Not available.
		Stop Mix	
		Prime-It Room Temp Magenta	Not available.
<b>Oxidising properties</b>	:	Prime-It Reaction Strips	Not available.
		Prime-It Control DNA	Not available.
		Prime-It Room Temp	Not available.
		Stop Mix	
		Prime-It Room Temp Magenta	Not available.

**9.2 Other information**

No additional information.

**SECTION 10: Stability and reactivity**

<b>10.1 Reactivity</b>	:	Prime-It Reaction Strips	No specific test data related to reactivity available for this product or its ingredients.
		Prime-It Control DNA	No specific test data related to reactivity available for this product or its ingredients.
		Prime-It Room Temp	No specific test data related to reactivity available for this product or its ingredients.
		Stop Mix	No specific test data related to reactivity available for this product or its ingredients.
		Prime-It Room Temp Magenta	No specific test data related to reactivity available for this product or its ingredients.
<b>10.2 Chemical stability</b>	:	Prime-It Reaction Strips	The product is stable.
		Prime-It Control DNA	The product is stable.
		Prime-It Room Temp	The product is stable.
		Stop Mix	
		Prime-It Room Temp Magenta	The product is stable.

## SECTION 10: Stability and reactivity

<b>10.3 Possibility of hazardous reactions</b>	: Prime-It Reaction Strips	Under normal conditions of storage and use, hazardous reactions will not occur.
	Prime-It Control DNA	Under normal conditions of storage and use, hazardous reactions will not occur.
	Prime-It Room Temp Stop Mix	Under normal conditions of storage and use, hazardous reactions will not occur.
	Prime-It Room Temp Magenta	Under normal conditions of storage and use, hazardous reactions will not occur.
<b>10.4 Conditions to avoid</b>	: Prime-It Reaction Strips	No specific data.
	Prime-It Control DNA	Avoid the creation of dust when handling and avoid all possible sources of ignition (spark or flame). Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity during transfer by earthing and bonding containers and equipment before transferring material. Prevent dust accumulation.
	Prime-It Room Temp Stop Mix	No specific data.
	Prime-It Room Temp Magenta	No specific data.
<b>10.5 Incompatible materials</b>	: Prime-It Reaction Strips	May react or be incompatible with oxidising materials.
	Prime-It Control DNA	Reactive or incompatible with the following materials: oxidizing materials
	Prime-It Room Temp Stop Mix	May react or be incompatible with oxidising materials.
	Prime-It Room Temp Magenta	May react or be incompatible with oxidising materials.
<b>10.6 Hazardous decomposition products</b>	: Prime-It Reaction Strips	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	Prime-It Control DNA	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	Prime-It Room Temp Stop Mix	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	Prime-It Room Temp Magenta	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
<b>Prime-It Room Temp Stop Mix</b> Edetic acid	LD50 Oral	Rat	4000 mg/kg	-
<b>Prime-It Room Temp Magenta</b> Poly(oxy-1,2-ethanediyl), . alpha.-[(1,1,3,3-tetramethylbutyl)phenyl]-. omega.-hydroxy-	LD50 Oral	Rat	2800 mg/kg	-

#### Acute toxicity estimates

Not available.

#### Irritation/Corrosion

## SECTION 11: Toxicological information

Product/ingredient name	Result	Species	Score	Exposure	Observation
<b>Prime-It Reaction Strips</b> Disodium tetraborate pentahydrate	Eyes - Severe irritant	Rabbit	-	100 milligrams	-
<b>Prime-It Control DNA</b> Disodium tetraborate pentahydrate	Eyes - Severe irritant	Rabbit	-	100 milligrams	-
<b>Prime-It Room Temp Magenta</b> Poly(oxy-1,2-ethanediyl), . alpha.-[(1,1,3,3-tetramethylbutyl)phenyl]-. omega.-hydroxy-	Eyes - Severe irritant	Rabbit	-	1 Percent	-

### Sensitiser

**Conclusion/Summary** : Not available.

### Chronic toxicity / Carcinogenicity / Mutagenicity / Teratogenicity / Reproductive toxicity

Not available.

### Specific target organ toxicity (single exposure)

Product/ingredient name	Category	Route of exposure	Target organs
<b>Prime-It Reaction Strips</b> 4-(2-Hydroxyethyl)piperazin-1-ylethanesulphonic acid	Category 3	Not applicable.	Respiratory tract irritation

### Specific target organ toxicity (repeated exposure)

Not available.

### Aspiration hazard

Not available.

### Information on likely routes of exposure

: Prime-It Reaction Strips	Routes of entry anticipated: Oral, Dermal, Inhalation.
Prime-It Control DNA	Routes of entry anticipated: Oral, Dermal, Inhalation.
Prime-It Room Temp Stop Mix	Routes of entry anticipated: Oral, Dermal, Inhalation.
Prime-It Room Temp Magenta	Routes of entry anticipated: Oral, Dermal, Inhalation.

### Potential acute health effects

<b>Inhalation</b>	: Prime-It Reaction Strips Prime-It Control DNA	No known significant effects or critical hazards. Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the nose, throat and lungs.
	Prime-It Room Temp Stop Mix Prime-It Room Temp Magenta	No known significant effects or critical hazards.
<b>Ingestion</b>	: Prime-It Reaction Strips Prime-It Control DNA Prime-It Room Temp Stop Mix Prime-It Room Temp Magenta	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.

**SECTION 11: Toxicological information**

<b>Skin contact</b>	:	Prime-It Reaction Strips	No known significant effects or critical hazards.
		Prime-It Control DNA	No known significant effects or critical hazards.
		Prime-It Room Temp Stop Mix	No known significant effects or critical hazards.
		Prime-It Room Temp Magenta	No known significant effects or critical hazards.
<b>Eye contact</b>	:	Prime-It Reaction Strips	No known significant effects or critical hazards.
		Prime-It Control DNA	Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the eyes.
		Prime-It Room Temp Stop Mix	Causes serious eye irritation.
		Prime-It Room Temp Magenta	No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

<b>Inhalation</b>	:	Prime-It Reaction Strips	Adverse symptoms may include the following: reduced foetal weight increase in foetal deaths skeletal malformations
		Prime-It Control DNA	Adverse symptoms may include the following: respiratory tract irritation coughing reduced foetal weight increase in foetal deaths skeletal malformations
		Prime-It Room Temp Stop Mix	No specific data.
		Prime-It Room Temp Magenta	No specific data.
<b>Ingestion</b>	:	Prime-It Reaction Strips	Adverse symptoms may include the following: reduced foetal weight increase in foetal deaths skeletal malformations
		Prime-It Control DNA	Adverse symptoms may include the following: reduced foetal weight increase in foetal deaths skeletal malformations
		Prime-It Room Temp Stop Mix	No specific data.
		Prime-It Room Temp Magenta	No specific data.
<b>Skin contact</b>	:	Prime-It Reaction Strips	Adverse symptoms may include the following: reduced foetal weight increase in foetal deaths skeletal malformations
		Prime-It Control DNA	Adverse symptoms may include the following: reduced foetal weight increase in foetal deaths skeletal malformations
		Prime-It Room Temp Stop Mix	No specific data.
		Prime-It Room Temp Magenta	No specific data.
<b>Eye contact</b>	:	Prime-It Reaction Strips	No specific data.
		Prime-It Control DNA	Adverse symptoms may include the following: irritation redness
		Prime-It Room Temp Stop Mix	Adverse symptoms may include the following:  pain or irritation watering redness
		Prime-It Room Temp	No specific data.

**SECTION 11: Toxicological information**

Magenta

**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**

<b>General</b>	: Prime-It Reaction Strips Prime-It Control DNA  Prime-It Room Temp Stop Mix Prime-It Room Temp Magenta	No known significant effects or critical hazards. Repeated or prolonged inhalation of dust may lead to chronic respiratory irritation.  No known significant effects or critical hazards.  No known significant effects or critical hazards.
<b>Carcinogenicity</b>	: Prime-It Reaction Strips Prime-It Control DNA Prime-It Room Temp Stop Mix Prime-It Room Temp Magenta	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.  No known significant effects or critical hazards.
<b>Mutagenicity</b>	: Prime-It Reaction Strips Prime-It Control DNA Prime-It Room Temp Stop Mix Prime-It Room Temp Magenta	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.  No known significant effects or critical hazards.
<b>Teratogenicity</b>	: Prime-It Reaction Strips Prime-It Control DNA Prime-It Room Temp Stop Mix Prime-It Room Temp Magenta	May damage the unborn child. May damage the unborn child. No known significant effects or critical hazards.  No known significant effects or critical hazards.
<b>Developmental effects</b>	: Prime-It Reaction Strips Prime-It Control DNA Prime-It Room Temp Stop Mix Prime-It Room Temp Magenta	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.  No known significant effects or critical hazards.
<b>Fertility effects</b>	: Prime-It Reaction Strips Prime-It Control DNA Prime-It Room Temp Stop Mix Prime-It Room Temp Magenta	May damage fertility. May damage fertility. No known significant effects or critical hazards.  No known significant effects or critical hazards.
<b>Other information</b>	: Prime-It Reaction Strips Prime-It Control DNA Prime-It Room Temp Stop Mix Prime-It Room Temp Magenta	Not available. Not available. Not available.  Not available.



## SECTION 12: Ecological information

### 12.1 Toxicity

Product/ingredient name	Result	Species	Exposure
<b>Prime-It Reaction Strips</b> 4-(2-Hydroxyethyl)piperazin-1-ylethanesulphonic acid	Acute EC50 >100 mg/l Fresh water	Algae - Pseudokirchnerella subcapitata	72 hours
	Acute EC50 >100 mg/l Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 >100 mg/l Fresh water	Fish - Danio rerio	96 hours
	Chronic NOEC >100 mg/l Fresh water	Algae - Pseudokirchnerella subcapitata	72 hours
<b>Prime-It Room Temp Stop Mix</b> Edetic acid	Acute EC50 113000 µg/l Fresh water	Daphnia - Daphnia magna - Neonate	48 hours
	Acute LC50 59.8 mg/l Fresh water	Fish - Pimephales promelas	96 hours
<b>Prime-It Room Temp Magenta</b> Poly(oxy-1,2-ethanediyl), . alpha.-[(1,1,3,3-tetramethylbutyl)phenyl]-. omega.-hydroxy-	Acute EC50 210 µg/l Fresh water	Algae - Pseudokirchneriella subcapitata	96 hours
	Acute LC50 10800 µg/l Marine water	Crustaceans - Pandalus montagui - Adult	48 hours
	Acute LC50 8600 to 9800 µg/l Fresh water	Daphnia - Daphnia magna - Neonate	48 hours
	Acute LC50 7200 µg/l Fresh water	Fish - Oncorhynchus mykiss	96 hours

### 12.2 Persistence and degradability

Not available.

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
<b>Prime-It Room Temp Stop Mix</b> Edetic acid	-	-	Not readily

### 12.3 Bioaccumulative potential

Product/ingredient name	LogP <sub>ow</sub>	BCF	Potential
<b>Prime-It Reaction Strips</b> 4-(2-Hydroxyethyl)piperazin-1-ylethanesulphonic acid	-4.07	-	low
<b>Prime-It Room Temp Stop Mix</b> Edetic acid	-3.86	1.8	low
<b>Prime-It Room Temp Magenta</b> Poly(oxy-1,2-ethanediyl), . alpha.-[(1,1,3,3-tetramethylbutyl)phenyl]-. omega.-hydroxy-	3.77	78.67	low

### 12.4 Mobility in soil

**Soil/water partition coefficient (K<sub>oc</sub>)** : Not available.

**Mobility** : Not available.

## SECTION 12: Ecological information

### 12.5 Results of PBT and vPvB assessment

**PBT** : Not applicable.  
**vPvB** : Not applicable.

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

## 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** : The classification of the product may meet the criteria for a hazardous waste.

#### 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. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spill material and runoff and contact with soil, waterways, drains and sewers.

## SECTION 14: Transport information

### Regulatory information

**ADR/RID / IMDG / IATA** : Not regulated.

**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 Annex II of Marpol and the IBC Code** : Not available.

## SECTION 15: Regulatory information

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

#### EU Regulation (EC) No. 1907/2006 (REACH)

#### Annex XIV - List of substances subject to authorisation

#### Annex XIV

None of the components are listed.

#### Substances of very high concern

Ingredient name	Intrinsic property	Status	Reference number	Date of revision
<b>Prime-It Reaction Strips</b> Disodium tetraborate anhydrous	Toxic to reproduction	Recommended	ED/30/2010	6/30/2011
<b>Prime-It Control DNA</b> Disodium tetraborate anhydrous	Toxic to reproduction	Recommended	ED/30/2010	6/30/2011
<b>Prime-It Room Temp Magenta</b> 4-(1,1,3,3-tetramethylbutyl)phenol,	Substance of	Recommended	ED/169/2012	11/6/2013

**Date of issue/Date of revision** : 20/05/2016

## SECTION 15: Regulatory information

ethoxylated [covering well-defined substances and UVCB substances, polymers and homologues]; 4-tert-Octylphenol ethoxylates	equivalent concern for environment			
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**Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles** :

Prime-It Reaction Strips	Restricted to professional users.
Prime-It Control DNA	Restricted to professional users.
Prime-It Room Temp	Not applicable.
Stop Mix	
Prime-It Room Temp	Not applicable.
Magenta	

### Other EU regulations

**Europe inventory** : All components are listed or exempted.

Product/ingredient name	Carcinogenic effects	Mutagenic effects	Developmental effects	Fertility effects
<b>Prime-It Reaction Strips</b> disodium tetraborate pentahydrate	-	-	Repr. 1B, H360D (Unborn child)	Repr. 1B, H360F (Fertility)
<b>Prime-It Control DNA</b> disodium tetraborate pentahydrate	-	-	Repr. 1B, H360D (Unborn child)	Repr. 1B, H360F (Fertility)

### Seveso Directive

This product is not controlled under the Seveso Directive.

### National regulations

#### International regulations

### Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

### Montreal Protocol (Annexes A, B, C, E)

Not listed.

### Stockholm Convention on Persistent Organic Pollutants

Not listed.

### Rotterdam Convention on Prior Inform Consent (PIC)

Not listed.

### UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

### International lists

#### National inventory

<b>Australia</b>	: Not determined.
<b>Canada</b>	: Not determined.
<b>China</b>	: Not determined.
<b>Japan</b>	: <b>Japan inventory (ENCS)</b> : Not determined. <b>Japan inventory (ISHL)</b> : Not determined.
<b>Malaysia</b>	: Not determined.
<b>New Zealand</b>	: Not determined.
<b>Philippines</b>	: Not determined.
<b>Republic of Korea</b>	: Not determined.
<b>Taiwan</b>	: All components are listed or exempted.
<b>Turkey</b>	: Not determined.
<b>United States</b>	: All components are listed or exempted.

## SECTION 15: Regulatory information

**15.2 Chemical safety assessment** : This product contains substances for which Chemical Safety Assessments might still be required.

## 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 [Regulation (EC) No. 1272/2008]  
 DNEL = Derived No Effect Level  
 EUH statement = CLP-specific Hazard statement  
 PNEC = Predicted No Effect Concentration  
 RRN = REACH Registration Number

### Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Classification	Justification
<b>Prime-It Reaction Strips</b> Repr. 1B, H360FD (Fertility and Unborn child)	Calculation method
<b>Prime-It Control DNA</b> Repr. 1B, H360FD (Fertility and Unborn child)	Calculation method
<b>Prime-It Room Temp Stop Mix</b> Eye Irrit. 2, H319	Calculation method

**Full text of abbreviated H statements** : **Prime-It Reaction Strips**  
 H315 Causes skin irritation.  
 H319 Causes serious eye irritation.  
 H335 May cause respiratory irritation.  
 H360FD (Fertility and Unborn child) May damage fertility. May damage the unborn child.

**Prime-It Control DNA**  
 H360FD (Fertility and Unborn child) May damage fertility. May damage the unborn child.

**Prime-It Room Temp Stop Mix**  
 H319 Causes serious eye irritation.

**Prime-It Room Temp Magenta**  
 H315 Causes skin irritation.  
 H318 Causes serious eye damage.  
 H411 Toxic to aquatic life with long lasting effects.

**Full text of classifications [CLP/GHS]** : **Prime-It Reaction Strips**  
 Eye Irrit. 2, H319 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2  
 Repr. 1B, H360FD (Fertility and Unborn child) TOXIC TO REPRODUCTION (Fertility and Unborn child) - Category 1B

Skin Irrit. 2, H315 SKIN CORROSION/IRRITATION - Category 2  
 STOT SE 3, H335 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3

**Prime-It Control DNA**  
 Repr. 1B, H360FD (Fertility and Unborn child) TOXIC TO REPRODUCTION (Fertility and Unborn child) - Category 1B

**Prime-It Room Temp Stop Mix**  
 Eye Irrit. 2, H319 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2

**Prime-It Room Temp**

## SECTION 16: Other information

### Magenta

Aquatic Chronic 2, H411

Eye Dam. 1, H318

Skin Irrit. 2, H315

LONG-TERM AQUATIC HAZARD - Category 2

SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1

SKIN CORROSION/IRRITATION - Category 2

**Date of issue/ Date of revision** : 20/05/2016

**Date of previous issue** : No previous validation.

**Version** : 1

### Notice to reader

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