

SAFETY DATA SHEET

IMMULITE® 2000 Progesterone

SDS no.:

L2KPW2_6

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

1.1 Product identifier

Product name : IMMULITE® 2000 Progesterone
Product code : L2KPW2/6, 10381170, 10381181, 10901873, 10901874

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

Identified uses Progesterone Reagent Wedge Diagnostic agents.
 Progesterone Adjustor Diagnostic agents.

Restrictions on use For professional users only.

Supplier : Siemens Healthcare Diagnostics Limited
 Park View,
 Watchmoor Park,
 Camberley,
 Surrey,
 GU15 3YL
 United Kingdom

Phone: +44 (0) 345 600 1955

e-mail address of person responsible for this SDS : dx.msds.healthcare@siemens-healthineers.com

1.4 Emergency telephone number

CHEMTREC: +44 20 3807 3798

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Product definition : Progesterone Reagent Wedge Mixture
 Progesterone Adjustor Mixture

Classification according to UK CLP/GHS

Progesterone Reagent Wedge

Skin Sens. 1, H317

The product is classified as hazardous according to UK CLP Regulation SI 2019/720 as amended.

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 : Progesterone Reagent Wedge Warning
 Progesterone Adjustor No signal word.

Hazard statements : Progesterone Reagent Wedge H317 - May cause an allergic skin reaction.
 Progesterone Adjustor No known significant effects or critical hazards.

Precautionary statements

SECTION 2: Hazards identification

Prevention	: Progesterone Reagent Wedge Progesterone Adjustor	P280 - Wear protective gloves/protective clothing/eye protection/face protection. Not applicable.
Response	: Progesterone Reagent Wedge Progesterone Adjustor	P302 + P352 - IF ON SKIN: IF ON SKIN: Wash with plenty of soap and water. P333 + P313 - If skin irritation or rash occurs: If skin irritation or rash occurs: Get medical advice/attention. P362 + P364 - Take off contaminated clothing and wash it before reuse. Not applicable.
Storage	: Progesterone Reagent Wedge Progesterone Adjustor	Not applicable. Not applicable.
Disposal	: Progesterone Reagent Wedge Progesterone Adjustor	Not applicable. Not applicable.
Supplemental label elements	: Progesterone Reagent Wedge Progesterone Adjustor	Not applicable. Not applicable.
Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	: Progesterone Reagent Wedge Progesterone Adjustor	Not applicable. Not applicable.

2.3 Other hazards

Product meets the criteria for PBT or vPvB according to Regulation (EC) No. 1907/2006, Annex XIII	: Progesterone Reagent Wedge Progesterone Adjustor	This mixture does not contain any substances that are assessed to be a PBT or a vPvB. This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
Other hazards which do not result in classification	: Progesterone Reagent Wedge Progesterone Adjustor	None known. None known.
Additional information	: Potentially biohazardous material. Sodium azide may react with lead or copper plumbing to form highly explosive metal azides.	

SECTION 3: Composition/information on ingredients

3.1 Substances : Progesterone Reagent Wedge Mixture
Progesterone Adjustor Mixture

Product/ingredient name	Identifiers	%	Classification	Type
Progesterone Reagent Wedge sodium salicylate	EC: 200-198-0 CAS: 54-21-7	≤3	Acute Tox. 4, H302 Eye Irrit. 2, H319	[1]
2,4-dinitrophenol	EC: 200-087-7 CAS: 51-28-5 Index: 609-041-00-4	<0.1	Acute Tox. 2, H300 Acute Tox. 3, H311 Acute Tox. 3, H331 STOT RE 1, H372 Aquatic Acute 1, H400 (M=10)	[1]
3(2H)-Isothiazolone, 2-methyl-	EC: 220-239-6 CAS: 2682-20-4	<0.1	Acute Tox. 3, H301 Acute Tox. 3, H311 Acute Tox. 2, H330 Skin Corr. 1B, H314 Eye Dam. 1, H318 Skin Sens. 1A, H317	[1]

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SECTION 3: Composition/information on ingredients

zinc chloride	EC: 231-592-0 CAS: 7646-85-7 Index: 030-003-00-2	<0.01	Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=1) EUH071 Acute Tox. 4, H302 Skin Corr. 1B, H314 Eye Dam. 1, H318 STOT SE 3, H335 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=1) See Section 16 for the full text of the H statements declared above.	[1] [2]
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Type

[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 : Progesterone Reagent Wedge

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.

Progesterone Adjustor

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.

Inhalation : Progesterone Reagent Wedge

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. Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.

Progesterone Adjustor

SECTION 4: First aid measures

Skin contact	: Progesterone Reagent Wedge Progesterone Adjustor	Wash with plenty of soap and 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. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse. Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
Ingestion	: Progesterone Reagent Wedge Progesterone Adjustor	Wash out mouth with water. Remove dentures if any. 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. Wash out mouth with water. 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.
Protection of first-aiders	: Progesterone Reagent Wedge Progesterone Adjustor	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. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. No action shall be taken involving any personal risk or without suitable training.

4.2 Most important symptoms and effects, both acute and delayed

Over-exposure signs/symptoms

Eye contact	: Progesterone Reagent Wedge Progesterone Adjustor	No specific data. No specific data.
Inhalation	: Progesterone Reagent Wedge Progesterone Adjustor	No specific data. No specific data.
Skin contact	: Progesterone Reagent Wedge Progesterone Adjustor	Adverse symptoms may include the following: irritation redness No specific data.

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SECTION 4: First aid measures

Ingestion : Progesterone Reagent Wedge No specific data.
 Progesterone Adjustor No specific data.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician : Progesterone Reagent Wedge 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.
 Progesterone Adjustor Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

Specific treatments : Progesterone Reagent Wedge No specific treatment.
 Progesterone Adjustor No specific treatment.
 Progesterone Reagent Wedge Not available.
 Progesterone Adjustor Not available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media : Use an extinguishing agent suitable for the surrounding fire.

Unsuitable extinguishing media : None known.

5.2 Special hazards arising from the substance or mixture

Hazards from the substance or mixture : In a fire or if heated, a pressure increase will occur and the container may burst.

Hazardous combustion products : Decomposition products may include the following materials:
 carbon dioxide
 carbon monoxide
 halogenated compounds
 metal oxide/oxides

5.3 Advice for firefighters

Special protective actions for fire-fighters : 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.

Special protective equipment for fire-fighters : 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 : 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.

For emergency responders : 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

: 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).

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SECTION 6: Accidental release measures

6.3 Methods and material for containment and cleaning up

- Small spill** : 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.
- Large spill** : Stop leak if without risk. Move containers from spill area. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilt product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

- 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** : Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Do not get in eyes or on skin or clothing. Do not ingest. 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.
- Advice on general occupational hygiene** : 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

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. See Section 10 for incompatible materials before handling or use.

7.3 Specific end use(s)

- Recommendations** : Not available.
- Industrial sector specific solutions** : Not available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits

Product/ingredient name	Exposure limit values
Progesterone Reagent Wedge zinc chloride	EH40/2005 WELs (United Kingdom (UK), 1/2020). STEL: 2 mg/m ³ 15 minutes. Form: Fume TWA: 1 mg/m ³ 8 hours. Form: Fume

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SECTION 8: Exposure controls/personal protection

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 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	
Progesterone Reagent Wedge sodium salicylate	DNEL	Long term Oral	0.133 mg/ kg bw/day	General population	Systemic	
	DNEL	Long term Dermal	0.133 mg/ kg bw/day	General population	Systemic	
	DNEL	Long term Inhalation	0.232 mg/ m ³	General population	Systemic	
	DNEL	Long term Dermal	0.373 mg/ kg bw/day	Workers	Systemic	
	DNEL	Long term Inhalation	1.32 mg/m ³	Workers	Systemic	
	2,4-dinitrophenol	DNEL	Short term Inhalation	0.005 mg/ m ³	General population	Systemic
		DNEL	Long term Oral	0.008 mg/ kg bw/day	General population	Systemic
		DNEL	Long term Dermal	0.008 mg/ kg bw/day	General population	Systemic
		DNEL	Short term Oral	0.0143 mg/ kg bw/day	General population	Systemic
		DNEL	Long term Dermal	0.017 mg/ kg bw/day	Workers	Systemic
DNEL		Short term Inhalation	0.02 mg/m ³	Workers	Systemic	
DNEL		Long term Inhalation	0.0291 mg/ m ³	General population	Systemic	
DNEL		Short term Dermal	0.1 mg/kg bw/day	General population	Systemic	
DNEL		Long term Inhalation	0.117 mg/ m ³	Workers	Systemic	
DNEL		Short term Dermal	0.2 mg/kg bw/day	Workers	Systemic	
3(2H)-Isothiazolone, 2-methyl-	DNEL	Long term Inhalation	0.021 mg/ m ³	General population	Local	
	DNEL	Long term Inhalation	0.021 mg/ m ³	Workers	Local	
	DNEL	Long term Oral	0.027 mg/ kg bw/day	General population	Systemic	
	DNEL	Short term Inhalation	0.043 mg/ m ³	General population	Local	
	DNEL	Short term Inhalation	0.043 mg/ m ³	Workers	Local	
	DNEL	Short term Oral	0.053 mg/ kg bw/day	General population	Systemic	
zinc chloride	DNEL	Long term Oral	0.83 mg/ kg bw/day	General population	Systemic	
	DNEL	Long term Inhalation	1 mg/m ³	Workers	Systemic	
	DNEL	Long term Dermal	8.3 mg/kg bw/day	General population	Systemic	
	DNEL	Long term Dermal	8.3 mg/kg bw/day	Workers	Systemic	
	DNEL	Long term Inhalation	1.25 mg/m ³	General population	Systemic	

PNECs

SECTION 8: Exposure controls/personal protection

No PNECs available

8.2 Exposure controls

Appropriate engineering controls : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

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. Contaminated work clothing should not be allowed out of the workplace. 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 side-shields.

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

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	: Progesterone Reagent Wedge Progesterone Adjustor	Liquid. Liquid.
Colour	: Progesterone Reagent Wedge Progesterone Adjustor	Colourless. Colourless.
Odour	: Progesterone Reagent Wedge Progesterone Adjustor	Odourless. Bland.
Odour threshold	: Not relevant/applicable due to nature of the product.	
Melting point/freezing point	: Not relevant/applicable due to nature of the product.	
Softening point	: Not relevant/applicable due to nature of the product.	
Sublimation temperature	: Not relevant/applicable due to nature of the product.	

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SECTION 9: Physical and chemical properties

Initial boiling point and boiling range	: Progesterone Reagent Wedge Progesterone Adjustor	Not available. Not available.
Flammability (solid, gas)	: Progesterone Reagent Wedge Progesterone Adjustor	Not relevant/applicable due to nature of the product. Not relevant/applicable due to nature of the product.
Upper/lower flammability or explosive limits	: Progesterone Reagent Wedge Progesterone Adjustor	Not available. Not available.
Flash point	: Progesterone Reagent Wedge Progesterone Adjustor	[Product does not sustain combustion.] [Product does not sustain combustion.]

Ingredient name	Closed cup			Open cup		
	°C	°F	Method	°C	°F	Method
Progesterone Reagent Wedge tris(2-butoxyethyl) phosphate	158.97	318.1	ISO 1523			

Auto-ignition temperature :

Ingredient name	°C	°F	Method
Progesterone Reagent Wedge magnesium di(acetate)	310	590	EU A.16
Progesterone Adjustor sodium azide	309	588.2	EU A.16

Decomposition temperature : Not relevant/applicable due to nature of the product.

pH : Progesterone Reagent Wedge 6.95 to 7.05
Progesterone Adjustor Not applicable.

Viscosity : Progesterone Reagent Wedge Not available.
Progesterone Adjustor Not available.

Solubility(ies) :
Not available.

Solubility in water : Not relevant/applicable due to nature of the product.

Miscible with water : Not relevant/applicable due to nature of the product.

Partition coefficient: n-octanol/ water : Not relevant/applicable due to nature of the product.

Vapour pressure :

Ingredient name	Vapour Pressure at 20°C			Vapour pressure at 50°C		
	mm Hg	kPa	Method	mm Hg	kPa	Method
Progesterone Reagent Wedge sodium salicylate	0	0				
Progesterone Adjustor sodium azide	0.0075	0.001				

Evaporation rate : Not relevant/applicable due to nature of the product.

Relative density : Progesterone Reagent Wedge 1
Progesterone Adjustor 1

Density : Progesterone Reagent Wedge Not available.
Progesterone Adjustor Not available.

Vapour density : Progesterone Reagent Wedge Not available.
Progesterone Adjustor Not available.

Explosive properties : Progesterone Reagent Wedge Not available.
Progesterone Adjustor Not available.

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SECTION 9: Physical and chemical properties

Oxidising properties : Progesterone Reagent Wedge Not available.
 Progesterone Adjustor Not available.

Particle characteristics

Median particle size : Not applicable.

9.2 Other information

Fire point : Progesterone Reagent Wedge Not available.
 Progesterone Adjustor Not available.

Burning time : Not relevant/applicable due to nature of the product.

Fundamental burning velocity : Not relevant/applicable due to nature of the product.

Burning rate : Not relevant/applicable due to nature of the product.

SADT : Not relevant/applicable due to nature of the product.

SAPT : Not relevant/applicable due to nature of the product.

Heat of reaction : Not relevant/applicable due to nature of the product.

Heat of combustion : Not relevant/applicable due to nature of the product.

Flow time (ISO 2431) : Not relevant/applicable due to nature of the product.

Molecular weight : Not relevant/applicable due to nature of the product.

SECTION 10: Stability and reactivity

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

10.2 Chemical stability : The product is stable.

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

10.4 Conditions to avoid : No specific data.

10.5 Incompatible materials : No specific data.

10.6 Hazardous decomposition products : 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
Progesterone Reagent Wedge				
sodium salicylate	LD50 Oral	Rat	930 mg/kg	-
2,4-dinitrophenol	LD50 Dermal	Rat	300 mg/kg	-
	LD50 Oral	Rat	30 mg/kg	-
zinc chloride	LD50 Oral	Rat	350 mg/kg	-

Conclusion/Summary : Progesterone Reagent Wedge Not available.
 Progesterone Adjustor Not available.

Acute toxicity estimates

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SECTION 11: Toxicological information

Product/ingredient name	Oral (mg/kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	Inhalation (vapours) (mg/l)	Inhalation (dusts and mists) (mg/l)
Progesterone Reagent Wedge					
Progesterone Reagent Wedge	46500	N/A	N/A	N/A	N/A
sodium salicylate	930	N/A	N/A	N/A	N/A
2,4-dinitrophenol	30	300	N/A	3	N/A
3(2H)-Isothiazolone, 2-methyl-	100	300	N/A	0.5	N/A
zinc chloride	350	N/A	N/A	N/A	N/A

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
Progesterone Reagent Wedge					
sodium salicylate	Eyes - Severe irritant	Rabbit	-	168 hours 105 mg	-
2,4-dinitrophenol	Skin - Mild irritant	Rabbit	-	672 hours 300 mg l	-
zinc chloride	Skin - Severe irritant	Rabbit	-	120 hours 1 %	-

Conclusion/Summary

Skin	: Progesterone Reagent Wedge Progesterone Adjustor	Not available. Not available.
Eyes	: Progesterone Reagent Wedge Progesterone Adjustor	Not available. Not available.
Respiratory	: Progesterone Reagent Wedge Progesterone Adjustor	Not available. Not available.

Sensitisation

Conclusion/Summary

Skin	: Progesterone Reagent Wedge Progesterone Adjustor	Not available. Not available.
Respiratory	: Progesterone Reagent Wedge Progesterone Adjustor	Not available. Not available.

Mutagenicity

Conclusion/Summary	: Progesterone Reagent Wedge Progesterone Adjustor	Not available. Not available.
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Carcinogenicity

Conclusion/Summary	: Progesterone Reagent Wedge Progesterone Adjustor	Not available. Not available.
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Reproductive toxicity

Conclusion/Summary	: Progesterone Reagent Wedge Progesterone Adjustor	Not available. Not available.
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Teratogenicity

Conclusion/Summary	: Progesterone Reagent Wedge Progesterone Adjustor	Not available. Not available.
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Specific target organ toxicity (single exposure)

Product/ingredient name	Category	Route of exposure	Target organs
Progesterone Reagent Wedge zinc chloride	Category 3	-	Respiratory tract irritation

Specific target organ toxicity (repeated exposure)

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SECTION 11: Toxicological information

Product/ingredient name	Category	Route of exposure	Target organs
Progesterone Reagent Wedge 2,4-dinitrophenol	Category 1	-	-

Aspiration hazard

Not available.

Information on likely routes of exposure : Progesterone Reagent Wedge Not available.
Progesterone Adjustor Not available.

Potential acute health effects

Eye contact : Progesterone Reagent Wedge No known significant effects or critical hazards.
Progesterone Adjustor No known significant effects or critical hazards.

Inhalation : Progesterone Reagent Wedge No known significant effects or critical hazards.
Progesterone Adjustor No known significant effects or critical hazards.

Skin contact : Progesterone Reagent Wedge May cause an allergic skin reaction.
Progesterone Adjustor No known significant effects or critical hazards.

Ingestion : Progesterone Reagent Wedge No known significant effects or critical hazards.
Progesterone Adjustor No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact : Progesterone Reagent Wedge No specific data.
Progesterone Adjustor No specific data.

Inhalation : Progesterone Reagent Wedge No specific data.
Progesterone Adjustor No specific data.

Skin contact : Progesterone Reagent Wedge Adverse symptoms may include the following:
irritation
redness
Progesterone Adjustor No specific data.

Ingestion : Progesterone Reagent Wedge No specific data.
Progesterone Adjustor No specific data.

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

Short term exposure

Potential immediate effects : Progesterone Reagent Wedge Not available.
Progesterone Adjustor Not available.

Potential delayed effects : Progesterone Reagent Wedge Not available.
Progesterone Adjustor Not available.

Long term exposure

Potential immediate effects : Progesterone Reagent Wedge Not available.
Progesterone Adjustor Not available.

Potential delayed effects : Progesterone Reagent Wedge Not available.
Progesterone Adjustor Not available.

Potential chronic health effects

Not available.

Conclusion/Summary : Progesterone Reagent Wedge Not available.
Progesterone Adjustor Not available.

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SECTION 11: Toxicological information

General	: Progesterone Reagent Wedge Progesterone Adjustor	Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels. No known significant effects or critical hazards.
Carcinogenicity	: Progesterone Reagent Wedge Progesterone Adjustor	No known significant effects or critical hazards. No known significant effects or critical hazards.
Mutagenicity	: Progesterone Reagent Wedge Progesterone Adjustor	No known significant effects or critical hazards. No known significant effects or critical hazards.
Reproductive toxicity	: Progesterone Reagent Wedge Progesterone Adjustor	No known significant effects or critical hazards. No known significant effects or critical hazards.
Interactive effects	: Progesterone Reagent Wedge Progesterone Adjustor	Not available. Not available.
<u>Toxicokinetics</u>		
Absorption	: Progesterone Reagent Wedge Progesterone Adjustor	Not available. Not available.
Distribution	: Progesterone Reagent Wedge Progesterone Adjustor	Not available. Not available.
Metabolism	: Progesterone Reagent Wedge Progesterone Adjustor	Not available. Not available.
Elimination	: Progesterone Reagent Wedge Progesterone Adjustor	Not available. Not available.
Other information	: Progesterone Reagent Wedge Progesterone Adjustor	Not available. Not available.

SECTION 12: Ecological information

12.1 Toxicity

Product/ingredient name	Result	Species	Exposure	
Progesterone Reagent Wedge sodium salicylate	Acute LC50 1370000 µg/l Fresh water	Fish - Fathead minnow - Pimephales promelas	96 hours	
	2,4-dinitrophenol	Acute EC50 78 ppm Marine water	Algae - Diatom - Skeletonema costatum	72 hours
		Acute EC50 93.2 ppm Marine water	Algae - Diatom - Skeletonema costatum	96 hours
	Acute LC50 9.74 ppm Marine water	Crustaceans - Opossum shrimp - Americamysis bahia	48 hours	
	Acute LC50 4100 µg/l Fresh water	Daphnia - Water flea - Daphnia magna	48 hours	
	Acute LC50 60 µg/l Fresh water	Fish - Asiatic knifefish - Notopterus notopterus	96 hours	
	Chronic NOEC 10 mg/l Fresh water	Algae - Green algae - Chlorella pyrenoidosa	72 hours	
	Chronic NOEC 2000 µg/l Fresh water	Daphnia - Water flea - Daphnia magna	21 days	
	Chronic NOEC 0.067 mg/l Fresh water	Fish - Asiatic knifefish - Notopterus notopterus	30 days	
	3(2H)-Isothiazolone, 2-methyl-	Acute EC50 0.18 ppm Fresh water	Daphnia - Water flea - Daphnia magna	48 hours
Acute LC50 0.07 ppm Fresh water		Fish - Rainbow trout, donaldson trout - Oncorhynchus mykiss	96 hours	

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SECTION 12: Ecological information

zinc chloride	Acute EC50 34 µg/l Fresh water	Algae - Green algae - Chlorella vulgaris - Exponential growth phase	72 hours
	Acute EC50 26 µg/l Marine water	Algae - Diatom - Navicula incerta	96 hours
	Acute EC50 1.8 mg/l Fresh water	Aquatic plants - Lesser Duckweed - Lemna aequinoctialis	96 hours
	Acute EC50 100 µg/l Fresh water	Daphnia - Water flea - Daphnia magna	48 hours
	Acute LC50 49.99 µg/l Fresh water	Crustaceans - Water flea - Moina irrasa - Neonate	48 hours
	Acute LC50 0.027 mg/l Marine water	Fish - Sand Flounder - Limanda punctatissima - Pre-larvae	96 hours
	Chronic NOEC 20 µg/l Marine water	Algae - Green algae - Chlorella sp. - Exponential growth phase	72 hours
	Chronic NOEC 1000 µg/l Fresh water	Crustaceans - Red swamp crayfish - Procambarus clarkii - Intermolt	21 days
	Chronic NOEC 80 µg/l Fresh water	Daphnia - Water flea - Daphnia magna - Juvenile (Fledgling, Hatchling, Weanling)	21 days
	Chronic NOEC 31.5 µg/l Fresh water	Fish - Rainbow trout, donaldson trout - Oncorhynchus mykiss	30 days

Conclusion/Summary : Progesterone Reagent Wedge Progesterone Adjustor Not available.
Not available.

12.2 Persistence and degradability

Conclusion/Summary : Progesterone Reagent Wedge Progesterone Adjustor Not available.
Not available.

12.3 Bioaccumulative potential

Product/ingredient name	LogP _{ow}	BCF	Potential
Progesterone Reagent Wedge			
sodium salicylate	0.055	3.2	low
2,4-dinitrophenol	1.67	3.72	low

12.4 Mobility in soil

Soil/water partition coefficient (K_{oc}) : Progesterone Reagent Wedge Progesterone Adjustor Not available.
Not available.

Mobility : Progesterone Reagent Wedge Progesterone Adjustor Not available.
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.

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. Sodium azide may react with lead or copper plumbing to form highly explosive metal azides.

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 spilled material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14: Transport information

ADR/RID

14.1 UN number	Progesterone Reagent Wedge Progesterone Adjustor	Not regulated. Not regulated.
14.2 UN proper shipping name	Progesterone Reagent Wedge Progesterone Adjustor	- -
14.3 Transport hazard class(es)	Progesterone Reagent Wedge Progesterone Adjustor	- -
14.4 Packing group	Progesterone Reagent Wedge Progesterone Adjustor	- -
14.5 Environmental hazards	Progesterone Reagent Wedge Progesterone Adjustor	No. No.
Additional information	Progesterone Reagent Wedge Progesterone Adjustor	- -

ADN

14.1 UN number	Progesterone Reagent Wedge Progesterone Adjustor	Not regulated. Not regulated.
14.2 UN proper shipping name	Progesterone Reagent Wedge Progesterone Adjustor	- -
14.3 Transport hazard class(es)	Progesterone Reagent Wedge Progesterone Adjustor	- -
14.4 Packing group	Progesterone Reagent Wedge Progesterone Adjustor	- -
14.5 Environmental hazards	Progesterone Reagent Wedge Progesterone Adjustor	No. No.

SECTION 14: Transport information

Additional information	Progesterone Reagent Wedge	-
	Progesterone Adjustor	-

IMDG

14.1 UN number	Progesterone Reagent Wedge	Not regulated.
	Progesterone Adjustor	Not regulated.

14.2 UN proper shipping name	Progesterone Reagent Wedge	-
	Progesterone Adjustor	-

14.3 Transport hazard class(es)	Progesterone Reagent Wedge	-
	Progesterone Adjustor	-

14.4 Packing group	Progesterone Reagent Wedge	-
	Progesterone Adjustor	-

14.5 Environmental hazards	Progesterone Reagent Wedge	No.
	Progesterone Adjustor	No.

Additional information	Progesterone Reagent Wedge	-
	Progesterone Adjustor	-

IATA

14.1 UN number	Progesterone Reagent Wedge	Not regulated.
	Progesterone Adjustor	Not regulated.

14.2 UN proper shipping name	Progesterone Reagent Wedge	-
	Progesterone Adjustor	-

14.3 Transport hazard class(es)	Progesterone Reagent Wedge	-
	Progesterone Adjustor	-

14.4 Packing group	Progesterone Reagent Wedge	-
	Progesterone Adjustor	-

14.5 Environmental hazards	Progesterone Reagent Wedge	No.
	Progesterone Adjustor	No.

Additional information	Progesterone Reagent Wedge	-
	Progesterone Adjustor	-

14.6 Special precautions for user : Progesterone Reagent Wedge

Progesterone Adjustor

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.

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 applicable.

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

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	: Progesterone Reagent Wedge Progesterone Adjustor	Not applicable. Not applicable.
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Seveso Directive

This product is not controlled under the Seveso Directive.

National regulations

EU regulations

Industrial emissions (integrated pollution prevention and control) - Air	: Progesterone Reagent Wedge Progesterone Adjustor	Not listed Not listed
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Industrial emissions (integrated pollution prevention and control) - Water	: Progesterone Reagent Wedge Progesterone Adjustor	Not listed Not listed
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International regulations

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.

15.2 Chemical safety assessment : Not applicable.

SECTION 16: Other information

✔ Indicates information that has changed from previously issued version.

Abbreviations and acronyms	: ATE = Acute Toxicity Estimate GB CLP = UK CLP (EC No 1272/2008) on the Classification, Labelling and Packaging of Substances and Mixtures as amended by (EU Exit) Regulations 2019 No. 720 and amendments DMEL = Derived Minimal Effect Level DNEL = Derived No Effect Level EUH statement = GB CLP-specific Hazard statement N/A = Not available PBT = Persistent, Bioaccumulative and Toxic PNEC = Predicted No Effect Concentration RRN = REACH Registration Number SGG = Segregation Group vPvB = Very Persistent and Very Bioaccumulative
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Procedure used to derive the classification

Classification	Justification
Progesterone Reagent Wedge Skin Sens. 1, H317	Calculation method

Full text of abbreviated H statements

Progesterone Reagent Wedge	
H300	Fatal if swallowed.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H330	Fatal if inhaled.
H331	Toxic if inhaled.
H335	May cause respiratory irritation.
H372	Causes damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
EUH071	Corrosive to the respiratory tract.

Full text of classifications

Progesterone Reagent Wedge	
Acute Tox. 2	ACUTE TOXICITY - Category 2
Acute Tox. 3	ACUTE TOXICITY - Category 3
Acute Tox. 4	ACUTE TOXICITY - Category 4
Aquatic Acute 1	SHORT-TERM (ACUTE) AQUATIC HAZARD - Category 1
Aquatic Chronic 1	LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 1
Eye Dam. 1	SERIOUS EYE DAMAGE/EYE IRRITATION - Category 1
Eye Irrit. 2	SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2
Skin Corr. 1B	SKIN CORROSION/IRRITATION - Category 1B
Skin Sens. 1	SKIN SENSITISATION - Category 1
Skin Sens. 1A	SKIN SENSITISATION - Category 1A
STOT RE 1	SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE - Category 1
STOT SE 3	SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE - Category 3

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SECTION 16: Other information

Date of previous issue : No previous validation

Version : 1

Notice to reader

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Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.