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| | Product Name | PT Jr. Cuvette | | | | |

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

1.1. Product identifier

Product form : Mixture
Name : PT Jr. Cuvette
Product code : J201

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

1.2.1. Relevant identified uses

Main use category : Industrial use, Professional use
Industrial/Professional use spec : Industrial
For professional use only
Function or use category : Laboratory chemicals

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Accriva Diagnostics Inc
6260 Sequence Dr
CA 92121 San Diego
T (800)5792255 - F 1-858-314-6701
customerservice@accriva.com - <http://www.accriva.com/>

1.4. Emergency telephone number

| Country | Organisation/Company | Address | Emergency number |
|-----------------------|--|---|---|
| IRELAND (REPUBLIC OF) | National Poisons Information Centre Beaumont Hospital | Beaumont Hospital Beaumont Road 9 Dublin | : +353 1 8379964 |
| UNITED KINGDOM | National Poisons Information Service (NHS Direct) | http://www.npis.org | 111 (England & Wales only) or 112 (EU) or 08454 24 24 24 (Scotland) |

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Acute Tox. 4 (Oral) H302
Acute Tox. 4 (Dermal) H312
STOT RE 2 H373
Aquatic Chronic 2 H411

Full text of H-statements: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Xn; R20/21/22
N; R51/53
R33

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available


2.2. Label elements

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

Hazard pictograms (CLP) :



Signal word (CLP) : Warning
Hazardous ingredients : thiomersal
Hazard statements (CLP) : H302+H312 - Harmful if swallowed or in contact with skin
H373 - May cause damage to organs through prolonged or repeated exposure
H411 - Toxic to aquatic life with long lasting effects

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Precautionary statements (CLP) :

- P260 - Do not breathe dust
- P264 - Wash hands and other exposed areas thoroughly after handling
- P270 - Do not eat, drink or smoke when using this product
- P273 - Avoid release to the environment
- P280 - Wear eye protection, protective gloves, protective clothing
- P301+P312 - IF SWALLOWED: Call a doctor, a POISON CENTER if you feel unwell
- P302+P352 - IF ON SKIN: Wash with plenty of soap and water
- P362+P364 - Take off contaminated clothing and wash it before reuse
- P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

| Name | Product identifier | % | Classification according to Directive 67/548/EEC |
|---|---|--|---|
| sodium chloride substance with national workplace exposure limit(s) (LT, LV) | (CAS No) 7647-14-5 (EC no) 231-598-3 | 9-13 | Not classified |
| thiomersal | (CAS No) 54-64-8 (EC no) 200-210-4 (EC index no) 080-004-00-7 | <0,25 | T+; R26/27/28 R33 N; R50/53 |
| Name | Product identifier | Specific concentration limits | |
| thiomersal | (CAS No) 54-64-8 (EC no) 200-210-4 (EC index no) 080-004-00-7 | (0,05 =< C < 0,5) Xn;R20/21/22 (C >= 0,05) R33 (0,5 =< C < 2) T;R23/24/25 (C >= 2) T+;R26/27/28 | |
| Name | Product identifier | % | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
| sodium chloride substance with national workplace exposure limit(s) (LT, LV) | (CAS No) 7647-14-5 (EC no) 231-598-3 | 9-13 | Not classified |
| thiomersal | (CAS No) 54-64-8 (EC no) 200-210-4 (EC index no) 080-004-00-7 | <0,25 | Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 STOT RE 2, H373 Aquatic Acute 1, H400 (M=100) Aquatic Chronic 1, H410 |
| Name | Product identifier | Specific concentration limits | |
| thiomersal | (CAS No) 54-64-8 (EC no) 200-210-4 (EC index no) 080-004-00-7 | (C >= 0,1) STOT RE 2, H373 | |

Full text of R- and H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First-aid measures after inhalation : Allow breathing of fresh air. Allow the victim to rest.

First-aid measures after skin contact : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Immediately call a POISON CENTER or doctor/physician. Wash with plenty of soap and water. Wash contaminated clothing before reuse.

First-aid measures after eye contact : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.


First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention. Call a POISON CENTER or doctor/physician if you feel unwell.

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

Symptoms/injuries : Causes damage to organs. There are potential chronic health effects to consider.

Symptoms/injuries after skin contact : Repeated exposure to this material can result in absorption through skin causing significant health hazard. Harmful in contact with skin.

Symptoms/injuries after ingestion : Swallowing a small quantity of this material will result in serious health hazard.

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

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
 Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
 Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection.
 Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if substance enters sewers or public waters. Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : On land, sweep or shovel into suitable containers. Minimize generation of dust. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid breathing fume, Vapours.
 Hygiene measures : Do not eat, drink or smoke when using this product. Wash Skin thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep container closed when not in use. Keep only in the original container in a cool, well ventilated place away from : Direct sunlight, Heat and ignition sources.
 Incompatible products : Strong bases. Strong acids.
 Incompatible materials : Sources of ignition. Direct sunlight.


7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

| thiomersal (54-64-8) | | |
|------------------------------|----------------------------------|---|
| Belgium | Limit value (mg/m ³) | 0,1 mg/m ³ (Mercure (composés arylés) (en Hg); Belgium; Time-weighted average exposure limit 8 h) |
| France | VME (mg/m ³) | 0,1 mg/m ³ (Mercure (composés arylés et inorganiques), en Hg; France; Time-weighted average exposure limit 8 h; VL: Valeur non réglementaire indicative) |
| Italy - Portugal - USA ACGIH | ACGIH TWA (mg/m ³) | 0,1 mg/m ³ (Mercury, Aryl compounds, as Hg; USA; Time-weighted average exposure limit 8 h; TLV - Adopted Value) |

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| sodium chloride (7647-14-5) | | |
|-----------------------------|------------------------------|---------------------|
| Latvia | OEL TWA (mg/m ³) | 5 mg/m ³ |
| Lithuania | IPRV (mg/m ³) | 5 mg/m ³ |

8.2. Exposure controls

Appropriate engineering controls : Provide adequate general and local exhaust ventilation.
 Personal protective equipment : Protective goggles. Gloves.



Hand protection : Wear protective gloves.
 Eye protection : Chemical goggles or safety glasses.
 Respiratory protection : Where exposure through inhalation may occur from use, respiratory protection equipment is recommended.
 Other information : Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Solid
 Appearance : Powder.
 Colour : Colourless.
 Odour : odourless.
 Odour threshold : No data available
 pH : No data available
 Relative evaporation rate (butylacetate=1) : No data available
 Melting point : No data available
 Freezing point : No data available
 Boiling point : No data available
 Flash point : No data available
 Auto-ignition temperature : No data available
 Decomposition temperature : No data available
 Flammability (solid, gas) : Non flammable
 Vapour pressure : No data available
 Relative vapour density at 20 °C : No data available
 Relative density : No data available
 Solubility : Soluble in water.
 Log Pow : No data available
 Log Kow : No data available
 Viscosity, kinematic : No data available
 Viscosity, dynamic : No data available
 Explosive properties : No data available
 Oxidising properties : No data available
 Explosive limits : No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity


No additional information available

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Not established.

| | | | | | | |
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10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Oral: Harmful if swallowed. Dermal: Harmful in contact with skin.

| PT Jr. Cuvette | |
|-----------------------------|--|
| ATE CLP (oral) | 500,000 mg/kg bodyweight |
| ATE CLP (dermal) | 1100,000 mg/kg bodyweight |
| thiomersal (54-64-8) | |
| LD50 oral rat | 75 mg/kg (Rat) |
| ATE CLP (oral) | 75,000 mg/kg bodyweight |
| ATE CLP (dermal) | 5,000 mg/kg bodyweight |
| sodium chloride (7647-14-5) | |
| LD50 oral rat | 3000 mg/kg (Rat; Experimental value; 3550 mg/kg bodyweight; Rat; Experimental value) |
| LD50 dermal rabbit | > 10000 mg/kg (Rabbit; Experimental value) |
| ATE CLP (oral) | 3000,000 mg/kg bodyweight |


| | |
|---|--|
| Skin corrosion/irritation | : Not classified Based on available data, the classification criteria are not met |
| Serious eye damage/irritation | : Not classified Based on available data, the classification criteria are not met |
| Respiratory or skin sensitisation | : Not classified Based on available data, the classification criteria are not met |
| Germ cell mutagenicity | : Not classified Based on available data, the classification criteria are not met |
| Carcinogenicity | : Not classified Based on available data, the classification criteria are not met |
| Reproductive toxicity | : Not classified Based on available data, the classification criteria are not met |
| Specific target organ toxicity (single exposure) | : Not classified Based on available data, the classification criteria are not met |
| Specific target organ toxicity (repeated exposure) | : May cause damage to organs through prolonged or repeated exposure. There are potential chronic health effects to consider |
| Aspiration hazard | : Not classified Based on available data, the classification criteria are not met |
| Potential adverse human health effects and symptoms | : Harmful if swallowed. Harmful in contact with skin. |

SECTION 12: Ecological information

12.1. Toxicity

Ecology - water : Toxic to aquatic life with long lasting effects.

| thiomersal (54-64-8) | |
|-----------------------------|--|
| LC50 fish 1 | 0,033 ppm (LC50; 96 h) |
| EC50 Daphnia 1 | 0,0052 mg/l (EC50; 48 h) |
| Threshold limit algae 1 | 0,4 ppm (EC50) |
| sodium chloride (7647-14-5) | |
| LC50 fish 2 | 5840 mg/l (LC50; ASTM; 96 h; Lepomis macrochirus; Flow-through system; Fresh water; Experimental value) |
| Threshold limit algae 2 | 2430 mg/l (EC50; OECD 201: Alga, Growth Inhibition Test; 120 h; Algae; Static system; Fresh water; Experimental value) |

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12.2. Persistence and degradability

| | |
|------------------------------------|---|
| PT Jr. Cuvette | |
| Persistence and degradability | May cause long-term adverse effects in the environment. |
| thiomersal (54-64-8) | |
| Persistence and degradability | Adsorbs into the soil. |
| sodium chloride (7647-14-5) | |
| Persistence and degradability | Biodegradability: Not applicable. No (test)data available on mobility of the substance. |
| Biochemical oxygen demand (BOD) | Not applicable |
| Chemical oxygen demand (COD) | Not applicable |
| ThOD | Not applicable |

12.3. Bioaccumulative potential

| | |
|------------------------------------|--|
| PT Jr. Cuvette | |
| Bioaccumulative potential | Not established. |
| thiomersal (54-64-8) | |
| Log Pow | -1,88 |
| sodium chloride (7647-14-5) | |
| Log Pow | -3,0 (Calculated) |
| Bioaccumulative potential | Low bioaccumulation potential (Log Kow < 4). |

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Other information : Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Avoid release to the environment.
European List of Waste (LoW) code : 16 05 06* - laboratory chemicals consisting of or containing dangerous substances including mixtures of laboratory chemicals

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

UN-No. (ADR) : 3077

14.2. UN proper shipping name

Proper Shipping Name (ADR) : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
Transport document description (ADR) : UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (CONTAINS thiomersal(54-64-8)), 9, III, (E)


14.3. Transport hazard class(es)

Class (ADR) : 9
Danger labels (ADR) : 9



14.4. Packing group

Packing group (ADR) : III

| | | | | | | |
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14.5. Environmental hazards

Dangerous for the environment :



Other information : No supplementary information available.

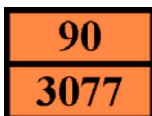
14.6. Special precautions for user

14.6.1. Overland transport

Hazard identification number (Kemler No.) : 90

Classification code (ADR) : M7

Orange plates :



Special provisions (ADR) : 274, 335, 601

Transport category (ADR) : 3

Tunnel restriction code (ADR) : E

Limited quantities (ADR) : 5kg

Excepted quantities (ADR) : E1

EAC code : 2Z

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

The following restrictions are applicable according to Annex XVII of the REACH Regulation (EC) No 1907/2006:

| | |
|--|---|
| 3.b. Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10 | PT Jr. Cuvette - barbital sodium - thiomersal |
| 3.c. Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard class 4.1 | PT Jr. Cuvette - thiomersal |

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

15.1.2. National regulations

Water hazard class (WGK) : 3 - severe hazard to waters

WGK remark : Classification water polluting based on the components in compliance with Verwaltungsvorschrift wassergefährdender Stoffe (VwVwS) of 27 July 2005 (Anhang 4)

15.2. Chemical safety assessment

No chemical safety assessment has been carried out


SECTION 16: Other information

Data sources : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Other information : None.

Full text of R-, H- and EUH-statements:

| | |
|-----------------------|-------------------------------------|
| Acute Tox. 1 (Dermal) | Acute toxicity (dermal), Category 1 |
| Acute Tox. 3 (Oral) | Acute toxicity (oral), Category 3 |

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| | |
|-----------------------|---|
| Acute Tox. 4 (Dermal) | Acute toxicity (dermal), Category 4 |
| Acute Tox. 4 (Oral) | Acute toxicity (oral), Category 4 |
| Aquatic Acute 1 | Hazardous to the aquatic environment — Acute Hazard, Category 1 |
| Aquatic Chronic 1 | Hazardous to the aquatic environment — Chronic Hazard, Category 1 |
| Aquatic Chronic 2 | Hazardous to the aquatic environment — Chronic Hazard, Category 2 |
| STOT RE 2 | Specific target organ toxicity — Repeated exposure, Category 2 |
| H301 | Toxic if swallowed |
| H302 | Harmful if swallowed |
| H310 | Fatal in contact with skin |
| H312 | Harmful in contact with skin |
| H373 | May cause damage to organs through prolonged or repeated exposure |
| H400 | Very toxic to aquatic life |
| H410 | Very toxic to aquatic life with long lasting effects |
| H411 | Toxic to aquatic life with long lasting effects |
| R20/21/22 | Harmful by inhalation, in contact with skin and if swallowed |
| R26/27/28 | Very toxic by inhalation, in contact with skin and if swallowed |
| R33 | Danger of cumulative effects |
| R50/53 | Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment |
| R51/53 | Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment |
| N | Dangerous for the environment |
| T+ | Very toxic |
| Xn | Harmful |

SDS EU_NSC

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.