

## MultiPLY IMT Standards A B C and External Verifier

MSDS no. QADM0098

### Section 1. Chemical product and company identification

- Product Trade Name** : MultiPLY IMT Standards A B C and External Verifier
- Product code** : S540 S550 S560 S570
- Synonyms** : IMT External Verifier  
IMT Standard A  
IMT Standard B  
IMT Standard C
- Manufactured/ Supplied** : Dade Behring Inc.  
Corporate Headquarters  
1717 Deerfield Road  
Deerfield, IL 60015-0778  
1-847-267-5300
- Dade Behring Canada Inc.  
1200 Courtneypark Drive East  
Mississauga, Ontario, Canada  
L5T-1P2  
(905) 564-7333  
(800) 264-0083
- In Case of Emergency** : Transportation: (800) 424-9300 (CHEMTREC)  
Medical: (800) 228-5635 ext. 284 (Prosar)
- Material uses** : Diagnostic agents.

### Section 2. Hazards identification

- Physical state** : Liquid.
- Emergency overview** : Warning!  
MAY CAUSE ALLERGIC SKIN REACTION.

#### Potential acute health effects

##### Routes of entry

- Eyes** : No known significant effects or critical hazards.
- Skin** : May cause sensitization by skin contact.
- Inhalation** : No known significant effects or critical hazards.
- Ingestion** : No known significant effects or critical hazards.

#### Potential chronic health effects

- Carcinogenic effects** : No known significant effects or critical hazards.
- Mutagenic effects** : No known significant effects or critical hazards.
- Reproduction toxicity** : No known significant effects or critical hazards.

See toxicological information (section 11)

## Section 3. Composition, Information on Ingredients

### United States

Name	CAS number	% by weight
Thimerosal	54-64-8	0.001

### Canada

Name	CAS number	% by weight
Thimerosal	54-64-8	0.001

## Section 4. First aid measures

- Eye contact** : Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention if irritation occurs.
- Skin contact** : Flush contaminated skin with plenty of water. Continue to rinse for at least 10 minutes. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing or wear gloves. Wash clothing before reuse.
- Inhalation** : If inhaled, remove to fresh air. If not breathing, give artificial respiration. Get medical attention if symptoms appear.
- Ingestion** : Wash out mouth with water. Remove dentures if any. Move exposed person to fresh air. Keep person warm and at rest. 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 symptoms occur. 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.

## Section 5. Fire fighting measures

- Flammability of the product** : Non-flammable.
- Fire-fighting media and instructions** : In case of fire, use water spray (fog), foam or dry chemical.
- No specific hazard.
- 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

- Personal precautions** : Put on appropriate personal protective equipment (see section 8).
- Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.
- Methods for cleaning up** : Absorb with an inert material and transfer the spilled material and absorbent to an appropriate waste disposal container.

## Section 7. Handling and storage

- Handling** : Avoid prolonged or repeated contact with skin. Wash thoroughly after handling.
- Storage** : Keep container tightly closed. Keep container in a cool, well-ventilated area.

## Section 8. Exposure controls, personal protection

- Engineering controls** : Good general ventilation should be sufficient to control airborne levels.
- Personal protection**
- Eyes** : Safety glasses.
  - Skin** : Lab coat.
  - Respiratory** : A respirator is not needed under normal and intended conditions of product use.
  - Hands** : Synthetic or rubber gloves

### Product name

### United States

Thimerosal

### Exposure limits

#### **ACGIH (United States). Skin**

TWA: 0.01 mg/m<sup>3</sup>

STEL: 0.03 mg/m<sup>3</sup>

#### **NIOSH REL (United States, 6/2001). Skin**

CEIL: 0.1 mg/m<sup>3</sup> Form: Other than Hg Vapor

TWA: 0.05 mg/m<sup>3</sup> 10 hour/hours. Form: Hg Vapor

#### **ACGIH TLV (United States, 9/2004). Skin Notes: 1994-1995**

**Adoption Identifies substances identified in the BEI documentations for Methemoglobin inducers (for which methemoglobin is the principle toxicity) and organophosphorous cholinesterase inhibitors are part of this notation.**

STEL: 0.03 mg/m<sup>3</sup> 15 minute/minutes. Form: All forms

TWA: 0.01 mg/m<sup>3</sup> 8 hour/hours. Form: All forms

#### **OSHA PEL 1989 (United States, 3/1989). Skin Notes: See Table Z-2.**

CEIL: 0.1 mg/m<sup>3</sup> Form: All forms

### Canada

Thimerosal

#### **ACGIH (United States). Skin**

TWA: 0.01 mg/m<sup>3</sup>

STEL: 0.03 mg/m<sup>3</sup>

#### **ACGIH TLV (United States, 9/2004). Skin Notes: 1994-1995**

**Adoption Identifies substances identified in the BEI documentations for Methemoglobin inducers (for which methemoglobin is the principle toxicity) and organophosphorous cholinesterase inhibitors are part of this notation.**

STEL: 0.03 mg/m<sup>3</sup> 15 minute/minutes. Form: All forms

TWA: 0.01 mg/m<sup>3</sup> 8 hour/hours. Form: All forms

Consult local authorities for acceptable exposure limits.

## Section 9. Physical and chemical properties

- Physical state** : Liquid.
- Boiling/condensation point** : The lowest known value is 100°C (212°F) (Water).
- Melting/freezing point** : May start to solidify at 0°C (32°F) based on data for: Water.
- Specific gravity** : 1.005 (Water = 1)
- Ionicity (in water)** : Amphoteric. (Water).

**Section 10. Stability and reactivity****Stability and reactivity** : The product is stable.**Hazardous polymerization** : Will not occur.**Section 11. Toxicological information****Toxicity data****United States**

<b>Ingredient name</b>	<b>Test</b>	<b>Result</b>	<b>Route</b>	<b>Species</b>
Thimerosal	LD50	75 mg/kg	Oral	Rat
	LD50	91 mg/kg	Oral	Mouse

**Canada**

<b>Ingredient name</b>	<b>Test</b>	<b>Result</b>	<b>Route</b>	<b>Species</b>
Thimerosal	LD50	75 mg/kg	Oral	Rat
	LD50	91 mg/kg	Oral	Mouse

**Chronic Effects****CARCINOGENIC EFFECTS:** Classified None. by NIOSH [Thimerosal]. Classified A4 (Not classifiable for humans or animals.) by ACGIH [Thimerosal].**Section 12. Ecological information****Ecotoxicity data****United States**

<b>Ingredient name</b>	<b>Species</b>	<b>Period</b>	<b>Result</b>
Thimerosal	Guppy (EC50)	24 hour/hours	1.2 mg/l

**Canada**

<b>Ingredient name</b>	<b>Species</b>	<b>Period</b>	<b>Result</b>
Thimerosal	Guppy (EC50)	24 hour/hours	1.2 mg/l

**Toxicity of the products of biodegradation** : The product itself and its products of degradation are not toxic.**Section 13. Disposal considerations****Waste disposal** : The generation of waste should be avoided or minimized wherever possible. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. 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.**Consult your local or regional authorities.****Section 14. Transport information**

<b>Regulatory information</b>	<b>UN number</b>	<b>Proper shipping name</b>	<b>Class</b>	<b>Packing group</b>	<b>Label</b>	<b>Additional information</b>
<b>DOT Classification</b>	Not regulated.	-	-	-		-
<b>TDG Classification</b>	Not regulated.	-	-	-		-
<b>Mexico Classification</b>	Not regulated.	-	-	-		-
<b>ADR/RID Class</b>	Not regulated.	-	-	-		-

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<b>IMDG Class</b>	Not regulated.	-	-	-	-
<b>IATA-DGR Class</b>	Not regulated.	-	-	-	-

**Section 15. Regulatory information**

United States

- HCS Classification** : Sensitizing material
- U.S. Federal regulations** : TSCA 8(b) inventory: Thimerosal; Water  
SARA 302/304/311/312 extremely hazardous substances: No products were found.  
SARA 302/304 emergency planning and notification: No products were found.  
SARA 302/304/311/312 hazardous chemicals: No products were found.  
SARA 311/312 MSDS distribution - chemical inventory - hazard identification: No products were found.  
Clean Water Act (CWA) 307: Thimerosal  
Clean Water Act (CWA) 311: No products were found.  
Clean Air Act (CAA) 112 accidental release prevention: No products were found.  
Clean Air Act (CAA) 112 regulated flammable substances: No products were found.  
Clean Air Act (CAA) 112 regulated toxic substances: No products were found.

- State regulations** : Pennsylvania RTK: Thimerosal: (environmental hazard, generic environmental hazard)  
New Jersey: Thimerosal

**WARNING:** This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

<u>Ingredient name</u>	<u>Cancer</u>	<u>Reproductive</u>	<u>No significant risk level</u>	<u>Maximum acceptable dosage level</u>
Thimerosal	No.	Yes.	No.	No.

Canada

- WHMIS (Canada)** : Not controlled under WHMIS (Canada).  
CEPA DSL: Water

**Section 16. Other information**

- EU Label Requirements** : This product is not classified according to EU legislation.
- Date of printing** : 5/30/2005.
- Date of issue** : 5/30/2005.
- Version** : 1.01

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

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.