

Thrombo Plus®

Art. no. 51.334

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

1.1. Product identifier

Thrombo Plus®

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

Use of the substance/mixture

For platelet count.

1.3. Details of the supplier of the safety data sheet

Company name:	SARSTEDT AG & Co.	
Street:	Sarstedtstraße 1	
Place:	D-51588 Nümbrecht	
Post-office box:	1220	
	D-51582 Nümbrecht	
Telephone:	+49 (0)2293 / 305 - 0	Telefax: +49 (0)2293 / 305 - 2470
e-mail:	info@sarstedt.com	
Contact person:	Dr. Dagmar Flach	Telephone: +49 (0)2293 / 305 - 4500
	Jochen Hoffmann	
e-mail:	sicherheitsdatenblatt@sarstedt.com	
Internet:	www.sarstedt.com	
Responsible Department:	R & D Center	

1.4. Emergency telephone number:

Poison Center in Bonn (Germany): +49 (0)228 / 19240

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Indications of danger: Xn - Harmful

R phrases:

Harmful if swallowed.

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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

Hazard categories:

Acute toxicity: Acute Tox. 4

Hazardous to the aquatic environment: Aquatic Chronic 3

Hazard Statements:

Harmful if swallowed.

Harmful to aquatic life with long lasting effects.

2.2. Label elements

Hazardous components which must be listed on the label

mercury dichloride; mercuric chloride

Signal word: Warning

Pictograms: GHS07



Hazard statements

H302

Harmful if swallowed.

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H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

P264 Wash hands thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P273 Avoid release to the environment.
P301+P312 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.
P330 Rinse mouth.
P501 Dispose of contents/container to waste disposal site according to legal regulations.

Additional advice on labelling

This product contains a preparation of less than 125 ml. Due to the classification of the preparation a reduced identification in accordance with ordinance (EC) No. 1272/2008 is admissible for this article.

2.3. Other hazards

May cause sensitisation especially in sensitive humans.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization

Aqueous solution.

Hazardous components

EC No	Chemical name	Quantity
CAS No	Classification according to Directive 67/548/EEC	
Index No	Classification according to Regulation (EC) No. 1272/2008 [CLP]	
REACH No		
231-299-8	mercury dichloride; mercuric chloride	< 1 %
7487-94-7	Muta. Cat. 3, Repr. Cat. 3, T+ - Very toxic, T - Toxic, C - Corrosive, N - Dangerous for the environment R68-62-28-48/24/25-34-50-53	
080-010-00-X	Muta. 2, Repr. 2, Acute Tox. 2, STOT RE 1, Skin Corr. 1B, Aquatic Acute 1 (M-Factor = 1), Aquatic Chronic 1 (M-Factor = 1); H341 H361f *** H300 H372 ** H314 H400 H410	
231-743-0	Nickel(II) chloride hexahydrate	< 0.1 %
7791-20-0	Carc. Cat. 1, Muta. Cat. 3, Repr. Cat. 2, T - Toxic, Xi - Irritant, N - Dangerous for the environment R49-61-23/25-38-42/43-48/23-50-53-68	
	Carc. 1A, Muta. 2, Repr. 1B, Acute Tox. 3, Acute Tox. 3, Skin Irrit. 2, Resp. Sens. 1, Skin Sens. 1, STOT RE 1, Aquatic Acute 1 (M-Factor = 1), Aquatic Chronic 1 (M-Factor = 1); H350i H341 H360D H301 H331 H315 H334 H317 H372 H400 H410	

Full text of R-, H- and EUH-phrases: see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

After inhalation

Provide fresh air.

After contact with skin

Wash with plenty of water. Change contaminated clothing.

After contact with eyes

Rinse immediately carefully and thoroughly with eye-bath or water. In case of troubles or persistent symptoms, consult an ophthalmologist.

After ingestion

Never give anything by mouth to an unconscious person or a person with cramps. Rinse mouth

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immediately and drink plenty of water. Medical treatment necessary.

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

There are no data available on the mixture itself.

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

Rinse mouth immediately and drink plenty of water.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Co-ordinate fire-fighting measures to the fire surroundings.

5.2. Special hazards arising from the substance or mixture

There are no data available on the mixture itself.

5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

Additional information

Suppress gases/vapours/mists with water spray jet. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Avoid contact with skin, eyes and clothes. Wear personal protection equipment.

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

Treat the recovered material as prescribed in the section on waste disposal.

6.4. Reference to other sections

See also section 8 and 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Observe instructions for use The usual precautions are to be adhered to when handling chemicals.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Store at room temperature.

7.3. Specific end use(s)

none

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

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Exposure limits (EH40)

CAS No	Substance	ppm	mg/m ³	fibres/ml	Category	Origin
-	Mercury: divalent inorganic mercury compounds including mercuric oxide and mercuric chloride (measured as mercury)	-	0.02		TWA (8 h)	
		-	-		STEL (15 min)	

Additional advice on limit values

There are no data available on the mixture itself.

8.2. Exposure controls

Protective and hygiene measures

Remove contaminated, saturated clothing immediately. Protect skin by using skin protective cream.
After work, wash hands and face. When using do not eat or drink.

Hand protection

The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. Protect skin by using skin protective cream.

Skin protection

The usual precautions are to be adhered to when handling chemicals. Wear suitable work protective clothing.

Environmental exposure controls

Do not allow to enter into surface water or drains.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state: liquid
Colour: colourless
Odour: odourless

pH-Value: 2,2 - 2,8

Changes in the physical state

Melting point: No data available
Initial boiling point and boiling range: No data available
Flash point: No data available

Flammability

Solid: No data available
Gas: No data available

Lower explosion limits: No data available
Upper explosion limits: No data available

Auto-ignition temperature

Solid: No data available
Gas: No data available

Vapour pressure: No data available

Density: 1,005 g/cm³

Water solubility: completely miscible

Test method

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Solubility in other solvents

There are no data available on the mixture itself.

Partition coefficient:

No data available

Vapour density:

No data available

Evaporation rate:

No data available

9.2. Other information

There are no data available on the mixture itself.

SECTION 10: Stability and reactivity

10.1. Reactivity

There are no data available on the mixture itself.

10.2. Chemical stability

There are no data available on the mixture itself.

10.3. Possibility of hazardous reactions

There are no data available on the mixture itself.

10.4. Conditions to avoid

There are no data available on the mixture itself.

10.5. Incompatible materials

There are no data available on the mixture itself.

10.6. Hazardous decomposition products

There are no data available on the mixture itself.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

Harmful if swallowed.
Acute toxicity, dermal.

CAS No	Chemical name				
	Exposure routes	Method	Dose	Species	Source
7487-94-7	mercury dichloride; mercuric chloride				
	oral	LD50	1 mg/kg	Rat	RTECS
7791-20-0	Nickel(II) chloride hexahydrate				
	oral	LD50	186 mg/kg	Rat	(OECD 401)
	inhalative vapour	ATE	3 mg/l		
	inhalative aerosol	ATE	0,5 mg/l		

Irritation and corrosivity

Based on available data, the classification criteria are not met.

Sensitising effects

Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

Severe effects after repeated or prolonged exposure

Based on available data, the classification criteria are not met.

Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.

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Aspiration hazard

Based on available data, the classification criteria are not met.

Additional information on tests

The classification was carried out according to the calculation method of the Preparations Directive (1999/45/EC).

SECTION 12: Ecological information

12.1. Toxicity

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

CAS No	Chemical name					
	Aquatic toxicity	Method	Dose	[h] [d]	Species	Source
7487-94-7	mercury dichloride; mercuric chloride					
	Acute fish toxicity	LC50	0,13 mg/l	96 h	Leuciscus idus	
7791-20-0	Nickel(II) chloride hexahydrate					
	Acute fish toxicity	LC50	1,3 mg/l	96 h	Cyprinus carpio (Common Carp)	(ECOTOX Database)
	Acute crustacea toxicity	EC50	0,51 mg/l	48 h	daphnia magna (water-flea)	(ECOTOX Database)

12.2. Persistence and degradability

There are no data available on the mixture itself.

12.3. Bioaccumulative potential

There are no data available on the mixture itself.

12.4. Mobility in soil

There are no data available on the mixture itself.

12.5. Results of PBT and vPvB assessment

There are no data available on the mixture itself.

12.6. Other adverse effects

There are no data available on the mixture itself.

Further information

Do not allow to enter into surface water or drains. The classification was carried out according to the calculation method of the Preparations Directive (1999/45/EC).

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Advice on disposal

Dispose of waste according to applicable legislation.

Waste disposal number of waste from residues/unused products

180106 WASTES FROM HUMAN OR ANIMAL HEALTH CARE AND/OR RELATED RESEARCH (except kitchen and restaurant wastes not arising from immediate health care); wastes from natal care, diagnosis, treatment or prevention of disease in humans; chemicals consisting of or containing dangerous substances
Classified as hazardous waste.

Contaminated packaging

Handle contaminated packages in the same way as the substance itself.

SECTION 14: Transport information

Land transport (ADR/RID)

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- 14.2. UN proper shipping name:** Not a hazardous material with respect to transportation regulations.
- Inland waterways transport (ADN)**
- 14.2. UN proper shipping name:** Not a hazardous material with respect to transportation regulations.
- Marine transport (IMDG)**
- 14.2. UN proper shipping name:** Not a hazardous material with respect to transportation regulations.
- Air transport (ICAO)**
- 14.2. UN proper shipping name:** Not a hazardous material with respect to transportation regulations.
- 14.5. Environmental hazards**
- ENVIRONMENTALLY HAZARDOUS: no
- 14.6. Special precautions for user**
- none
- 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**
- The mixture is not intended for bulk haulage.
- Other applicable information**
- Do not allow to enter into surface water or drains.

SECTION 15: Regulatory information

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

National regulatory information

Water contaminating class (D): 2 - water contaminating

Additional information

Instructions of BG RCI (Germany):
M050 handling of hazardous materials

15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

Changes

The telephone and fax numbers of the company have been updated.

Relevant R-phrases (Number and full text)

- | | |
|----------|--|
| 23/25 | Toxic by inhalation and if swallowed. |
| 28 | Very toxic if swallowed. |
| 34 | Causes burns. |
| 38 | Irritating to skin. |
| 42/43 | May cause sensitisation by inhalation and skin contact. |
| 48/23 | Toxic: danger of serious damage to health by prolonged exposure through inhalation. |
| 48/24/25 | Toxic: danger of serious damage to health by prolonged exposure in contact with skin and if swallowed. |
| 49 | May cause cancer by inhalation. |
| 50 | Very toxic to aquatic organisms. |
| 53 | May cause long-term adverse effects in the aquatic environment. |
| 61 | May cause harm to the unborn child. |
| 62 | Possible risk of impaired fertility. |
| 68 | Possible risks of irreversible effects. |

Relevant H- and EUH-phrases (Number and full text)

- | | |
|------|---------------------|
| H300 | Fatal if swallowed. |
| H301 | Toxic if swallowed. |

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H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H331	Toxic if inhaled.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H341	Suspected of causing genetic defects.
H350i	May cause cancer by inhalation.
H360D	May damage the unborn child.
H361f	Suspected of damaging fertility.
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.
H412	Harmful to aquatic life with long lasting effects.

Further Information

The product is a single-use laboratory product for in vitro diagnostics.

The information contained herein is based on the present state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee for the properties of the product.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)