

Section 1 Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product name Wash Solution (20X)

Part number A54826

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

Product use For Use with respective IVD

1.3 Details of the supplier of the safety data sheet

Manufacturer

IMMUNOTECH s.r.o.
Radiová 1122/1
102 00 Prague 10
Czech Republic
Tel. +420 272 017 444

Supplier

Beckman Coulter, Inc.
250 S. Kraemer Blvd
Brea, CA 92821, U.S.A.
Tel: 800-854-3633

CANADA
Beckman Coulter Canada LP
7075 Financial Drive
Mississauga, ON L5N 6V8
Canada
1-800-463-7828

UNITED KINGDOM
Beckman Coulter (UK) Ltd.
Amersham Place
Little Chalfont
Buckinghamshire
United Kingdom, HP7 9NA
01494 441181

AUSTRALIA
Beckman Coulter Australia Pty Ltd
23-27 Chaplin Drive
Lane Cove NSW 2066
Australia
ABN 81 002 011 672
24 Hour emergency contact phone
number:
1800 060 881

NEW ZEALAND
Beckman Coulter NZ
Unit J, 33 Walmsley Road, Otahuhu,
Auckland 1062, New Zealand
Hours available: 08:30 - 17:00

SWITZERLAND
Beckman Coulter Eurocenter SA
22, rue Juste-Olivier, Case Postale
1044,
CH-1260 Nyon 1, Switzerland.
Telephone: +41 (0)22 365 36 11
Monday through Friday, 9:00 am to
7:00pm)

ICELAND / ÍSLAND
Beckman Coulter AB
Ekbacksvägen 28
168 69 Bromma
Sweden
Phone No.: +46 80564 85 900
Hours available: 08.00-16.30

MALTA
DX Distributor:
Cherubino Ltd
DELFI Building, Sliema Road, Gzira,
GZR 1637
Telephone: +356 21343270
Hours available: 08:30 – 17:00

Section 1 Identification of the substance/mixture and of the company/undertaking (Continued)

Beckman Coulter Ireland Inc.
Lismeehan
O'Callaghan's Mills
Co. Clare
Ireland
Tel: 353 (0)65 6831100
SDSNT@beckman.com

e-mail address

1.4 Emergency telephone number

Telephone number (24H)

Chemtrec Emergency Tel No. U.S.A. 800-424-9300, International (001) 703-527-3887

Distributor and emergency phone no.

Refer to attached list, Document ID: [472050](#), for local distributor and emergency phone numbers.

UNITED STATES - Emergency Phone (24h): Chemtrec (800) 424-9300, International (001) 703-527-3887

CANADA - Poison Centre: 1-844-764-7669; Centre antipoison du Québec: 1-800-463-5060

UNITED KINGDOM - For UK and Scotland: Emergency Call 999

IRELAND - National Poisons Information Centre Phone No.: Members of Public: +353 (01) 809 2166 (8:00 am to 10:00 pm 7 days a week); Healthcare Professionals: +353 (01) 809 2566 (24 hour service)

AUSTRALIA - 24 Hour emergency contact phone number: 1800 060 881

NEW ZEALAND - 24 Hour emergency number: 0800 446 109

Section 2 Hazards identification

2.1 Classification of the substance or mixture

Product description

Mixture
Colorless; Liquid; Odorless

Classification according to EC 1272/2008 (CLP/GHS)

Not classified as hazardous per EC 1272/2008 (CLP/GHS)

Classification according to US-OSHA (HCS 29 CFR 1910.1200) and UN GHS

Toxic to Reproductive Category 1

2.2 Label elements

According to EC 1272/2008 (CLP/GHS), US-OSHA and UN GHS

Hazardous ingredients

Sodium Borate Decahydrate
Boric Acid

Pictogram



SAFETY DATA SHEET

Document ID: A54826-75 Version AE
Revision Date (year/month/day) 2025/08/10
Last Revision Date (year/month/day) 2024/11/16

Section 2 Hazards identification (Continued)

Signal word

DANGER

Hazard statements

H360 May damage fertility or the unborn child.

Precautionary statements

Prevention

P201 Obtain special instructions before use.

P280 Wear protective gloves, protective clothing and eye/face protection.

Response

P308+P313 IF exposed or concerned: Get medical advice/attention.

Storage

P405 Store locked up.

Disposal

P501 Dispose of contents/container in accordance with local/national regulations

Product label will display most significant precautionary statements.

2.3 Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

See Section 11 Toxicological Information for more detailed health information.

Section 3 Composition and information on ingredients

3.2 Mixtures

Hazardous ingredients:		Hazard classification of pure ingredients		
Chemical name	% by wt.	EU 1272/2008 CLP/GHS	GHS	Note
Sodium Borate Decahydrate CAS # 1303-96-4 EINECS # 215-540-4 Index # 005-011-00-4	0.1 - 0.3	Repr. 1B, H360	Repr. 1B, H360	SVHC
Boric Acid CAS # 10043-35-3 EINECS # 233-139-2 Index # 005-007-00-2	0.1 - 0.3	Repr. 1B, H360	Repr. 1B, H360	SVHC

SVHC - Substance of very high concern

See section 8 for available Occupational exposure limits

See Section 15 for additional regulatory information

See Section 16 for description of hazard class and hazard statements

Section 4 First aid measures

4.1 Description of first aid measures

Inhalation

If product is inhaled, move exposed individual to fresh air. If individual is not breathing, begin artificial respiration immediately and obtain medical attention.

Section 4 First aid measures (Continued)

- Eye contact** If product enters eyes, wash eyes gently under running water for 15 minutes or longer, making sure that the eyelids are held open. If pain or irritation occur, obtain medical attention.
- Skin contact** In case of skin contact, flush with copious amounts of water for at least 15 minutes. If pain or irritation occur, obtain medical attention.
- Ingestion** If ingested, wash mouth out with water. If irritation or discomfort occurs, seek medical attention.
- 4.2 Most important symptoms and effects, both acute and delayed**
May damage fertility or the unborn child.
See Section 11 Toxicological Information for more detailed health information.
- 4.3 Indication of any immediate medical attention and special treatment needed**
No specific medical attention or treatment required.

Section 5 Firefighting measures

- 5.1 Extinguishing media** In case of fire use carbon dioxide (CO₂), dry chemical, water spray or foam. For large fires use extinguishing media suitable for surrounding fire.
- 5.2 Special hazards arising from the substance or mixture**
Special fire and explosion hazards
No special hazards determined.
- Hazardous combustion products**
No combustion products posing significant hazards are expected from this product (an aqueous solution).
- 5.3 Advice for firefighters**
Protective equipment Self-contained breathing apparatus is recommended for firefighters in all chemical fire situations.
- Additional information** No further relevant information available.

Section 6 Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures**
Personal precautions Observe general safety guidelines for protection; avoid eye and skin contact. Wear protective gloves, protective clothing and eye/face protection.
- 6.2 Environmental precautions** Contain spill to prevent migration.
Do not allow the undiluted product to enter sewers/surface or ground water.
- 6.3 Methods and material for containment and cleaning up**
Spill and leak procedures Absorb spilled material with an appropriate inert, non-flammable absorbent and dispose according to local regulations.
- 6.4 Reference to other sections** Refer sections 8 and 13.

Section 7 Handling and storage

- 7.1 Precautions for safe handling** Use good laboratory procedures; avoid eye and skin contact.
Avoid inhaling, ingesting, and contact with eyes and skin.
- 7.2 Conditions for safe storage, including any incompatibilities**
Store at 2 to 8°C, as directed on the product label.
To maintain product quality, store according to the instructions in the product labeling.
Store away from strong acids, strong bases, strong oxidizers and incompatible materials (section 10).
- 7.3 Specific end uses** No further relevant information available.

Section 8 Exposure controls and personal protection

8.1 Control parameters

Exposure limits

US OSHA None established

ACGIH

Boric Acid
CAS # 10043-35-3 6 mg/m³ STEL (inhalable particulate matter) (listed under Borate compounds, inorganic); 2 mg/m³ TWA (inhalable particulate matter) (listed under Borate compounds, inorganic)

Sodium Borate Decahydrate
CAS # 1303-96-4 6 mg/m³ STEL (inhalable particulate matter) (listed under Borate compounds, inorganic); 2 mg/m³ TWA (inhalable particulate matter) (listed under Borate compounds, inorganic)

ACGIH Biological Exposure Indices (BEI)

None established

DFG MAK

Boric Acid
CAS # 10043-35-3 10 mg/m³ Peak (in case of a simultaneous presence of Boric acid and Tetraborates 0.75 mg Boron/m³ applies) (as B) (inhalable fraction); 10 mg/m³ TWA MAK (when boric acid and tetraborates are present together, the MAK value is 0.75 mg boron/m³) (inhalable fraction) (as B)

Ireland

Boric Acid
CAS # 10043-35-3 2 mg/m³ TWA (listed under Borate compounds inorganic); 6 mg/m³ STEL (calculated) (listed under Borate compounds inorganic)

Sodium Borate Decahydrate
CAS # 1303-96-4 5 mg/m³ TWA (listed under Borates); 6 mg/m³ STEL (calculated) (listed under Borates)

IOELVs

None established

NIOSH

Sodium Borate Decahydrate
CAS # 1303-96-4 5 mg/m³ TWA

China

None established

Section 8 Exposure controls and personal protection (Continued)

Croatia

Sodium Borate Decahydrate 5 mg/m3 TWA [GVI]; Reproductive Toxin Category 1B
CAS # 1303-96-4

Japan

None established

Sweden (AFS 2015:7 and amendments)

Sodium Borate Decahydrate 2 mg/m3 TLV NGV; 5 mg/m3 Indicative STEL Vägledande KGV; Skin notation
CAS # 1303-96-4

Turkey

None established

8.2 Exposure controls

Engineering controls

No special engineering controls are required. Use with good general ventilation.

Eye protection

Safety glasses or chemical goggles should be worn to prevent eye contact.

Refer U.S. OSHA 29 CFR 1910.133, European Standard EN166 or appropriate government standards.

Skin protection

Impervious gloves, such as Nitrile or equivalent, should be worn to prevent skin contact.

Refer U.S. OSHA 29 CFR 1910.138, European Standard EN374 or appropriate government standards.

Respiratory protection

Under normal conditions, the use of this product should not require respiratory protection. If overexposure should occur and ventilation is not adequate to maintain airborne concentrations at acceptable levels, the use of respiratory protection should be evaluated by a qualified professional.

Section 9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	Liquid	Density and/or relative density	≈ 1 @20°C
Color	Colorless	Solubility	
Odor	Odorless	Water	Miscible
pH	8.3	Organic	Not determined
Freezing point	Not determined	Partition coefficient n-octanol/water (log value)	Not determined
Boiling point or initial boiling point and boiling range	Not determined	Auto-ignition temp.	Not applicable
Flash point	Not applicable	Decomposition temperature	Not determined
Flammability	Not applicable	Vapor pressure	Not determined
		Kinematic viscosity	Not determined

Section 9 Physical and chemical properties (Continued)

Lower and upper explosion limit Not applicable

Relative vapor density Not determined

Particle characteristics Not applicable

9.2 Other information

Information with regard to physical hazard classes

No further relevant information available.

Other safety characteristics

No further relevant information available.

Section 10 Stability and reactivity

10.1 Reactivity No further relevant information available.

10.2 Chemical stability The product is stable in accordance with recommended storage conditions.

10.3 Possibility of hazardous reactions

No further relevant information available.

10.4 Conditions to avoid

To maintain product performance keep away from strong acids, strong bases, strong oxidizers.

Avoid exposure to heat and direct sunlight.

10.5 Incompatible materials

No further relevant information available.

10.6 Hazardous decomposition products

No decomposition products posing significant hazards would be expected from this product (an aqueous solution).

Section 11 Toxicological information

11.1 Information on hazard classes

Toxicity data for hazardous ingredients

Boric Acid
CAS # 10043-35-3

Dermal LD50 Rabbit >2000 mg/kg (NLM_HSDB); Inhalation LC50 Rat >2.12 mg/L 4 h (no deaths occurred)(dust)(ECHA_API); Oral LD50 Rat 2660 mg/kg (JAPAN_GHS)

Sodium Borate Decahydrate
CAS # 1303-96-4

Dermal LD50 Rabbit >10000 mg/kg (JAPAN_GHS); Inhalation LC50 Rat >2 mg/m³ 4 h (NLM_HSDB); Oral LD50 Rat 3493 mg/kg (NZ_CCID)

Primary routes of exposure

Eye contact, ingestion, inhalation, and skin contact.

Acute toxicity

Not classified based on available data.

Skin corrosion/irritation

No data available.

Serious eye damage/irritation

No data available.

Respiratory or skin sensitisation

No data available.

Germ cell mutagenicity

No data available.

Section 11 Toxicological information (Continued)

Carcinogenicity	No ingredients in this product are listed as carcinogens by ACGIH, IARC, NTP, OSHA or 1272/2008 EC regulation.
Reproductive toxicity	May damage fertility or the unborn child.
Specific target organ toxicity (STOT) – single exposure	No data available.
Specific target organ toxicity (STOT) – repeated exposure	No data available.
Aspiration hazard	No data available.
11.2 Information on other hazards	
Endocrine disrupting properties	This product does not have substance(s) of endocrine disrupting properties for health according to REACH Article 57(f).
Other information	No further relevant information available.

Section 12 Ecological information

12.1 Toxicity	
Fresh water species	No information available.
Microtox/organisms	No information available.
Water flea	
Boric Acid CAS # 10043-35-3	EC50 48 h Daphnia magna: 115 - 153 mg/L (EPA)
Fresh water algae	No information available.
12.2 Persistence and degradability	Not determined for the product.
12.3 Bioaccumulative potential	Not determined for the product.
12.4 Mobility in soil	Not determined for the product.
12.5 Results of PBT and vPvB assessment	Not determined for the product. PBT: Not applicable, vPvB: Not applicable.
12.6 Endocrine disrupting properties	This product does not have substance(s) of endocrine disrupting properties for environment according to REACH Article 57(f).
12.7 Other adverse effects	No further relevant information available.

Section 13 Disposal considerations

13.1 Waste treatment methods	
Product waste disposal	Chemical residues and remains should be routinely handled as special waste. This must be disposed of in compliance with anti-pollution and other laws of the country

SAFETY DATA SHEET

Document ID: A54826-75 Version AE
Revision Date (year/month/day) 2025/08/10
Last Revision Date (year/month/day) 2024/11/16

Package disposal

concerned. To ensure compliance we recommend that you contact the relevant (local) authorities and/or an approved waste-disposal company for information.

Additional information

Dispose of waste product, unused product and contaminated packaging in compliance with federal, state and local regulations. If unsure of the applicable requirements, contact the authorities for information.

Suggested European waste catalogue 18 01 07 - chemicals other than those mentioned in 18 01 06. Dispose in accordance with national, state and local waste regulations.

Section 14 Transport information

Transportation of this product is not regulated under ICAO, IATA DGR, IMDG, US DOT, European ADR and RID or Canadian TDG.

14.1 UN/ID number: Not regulated for transportation

14.2 UN proper shipping name: Not regulated for transportation

14.3 Transport hazard class(es): Not regulated for transportation

14.4 Packing group: Not regulated for transportation

14.5 Environmental hazards: Not regulated for transportation

14.6 Special precautions for user: None

14.7 Maritime 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

US Federal and State Regulations

SARA 313 (Section 313, Title III reporting requirements)

No ingredients listed.

CERCLA (The Comprehensive Environmental Response, Compensation, and Liability Act) 40 CFR 302.4

No ingredients listed.

California Proposition 65

Chemical which is known to the State of California to cause cancer

No ingredients listed.

Chemical which is known to the State of California to cause development toxicity

No ingredients listed.

Chemical which is known to the State of California to cause male reproductive toxicity

No ingredients listed.

Chemical which is known to the State of California to cause female reproductive toxicity

Section 15 Regulatory information (Continued)

No ingredients listed.

Massachusetts Right To Know (RTK) List

CAS # 1303-96-4 Sodium Borate Decahydrate

New Jersey Dept. of Health Right To Know (RTK) List

No ingredients listed.

Pennsylvania Right To Know (RTK) List

CAS # 1303-96-4 Sodium Borate Decahydrate

EU Regulations

This SDS complies with EC Regulations 1907/2006 (REACH) and amendments.

Water Hazard Class (Germany)

WGK 1, low water endangering

Regulation (EU) 2019/1148 on the marketing and use of explosives precursors - Substances Subject to Suspicious Transactions Reporting

No ingredients listed.

Regulation (EU) 2019/1148 on the marketing and use of explosives precursors - Restricted Explosives Precursors

No ingredients listed.

REACH 1907/2006 EC - Candidate List of Substances of Very High Concern (SVHC)

CAS # 10043-35-3 Boric Acid

CAS # 1303-96-4 Sodium Borate Decahydrate

REACH 1907/2006 EC - Annex XVII – Restrictions on Certain Dangerous Substances

CAS # 10043-35-3 Boric Acid Entry No.: 30; 75

CAS # 1303-96-4 Sodium Borate Decahydrate Entry No.: 30; 75

REACH 1907/2006 EC - Annex XIV - list of substances subject to authorisation

No ingredients listed.

Refer to Section 3

UK Regulations

UK REACH Regulation (as Amended) - List of substances subject to authorisation

Refer to Section 3

Canada

This product is exempt from WHMIS label and SDS requirements.

China

Catalog of Hazardous Chemicals - Hazardous Chemicals

CAS # 10043-35-3 Boric Acid

Section 15 Regulatory information (Continued)

Inventory - China - Inventory of Existing Chemical Substances (IECSC)

All ingredients are listed or exempted.

Turkey

Türkiye-REACH - KKDIK Regulation - Annex 17 – Restrictions

No ingredients listed.

International

UN/FAO/Rotterdam Convention - Chemicals Subject to Prior Informed Consent (PIC)

No ingredients listed.

15.2 Chemical safety assessment

A Chemical Safety Assessment has not been carried out.

Some hazardous ingredients listed in Section 15 are below the cutoff limits of 0.1% for carcinogen, mutagen and reproductive toxin and 1% for other health hazards required for reporting in Section 3.

Section 16 Other information

Beckman Coulter safety rating	Flammability: 0 Health: 2 Reactivity with water: 0 Physical contact: 2	Code 0=None 1=Slight 2=Caution 3=Severe
--------------------------------------	---	---

Revision changes Update supplier addresses in Section 1.3

Document version and issue/revision date

Revision Date (year/month/day) 2025/08/10
Last Revision Date (year/month/day) 2024/11/16
Document ID: A54826-75
Version: AE

Hazard Classification Procedure

This mixture was classified using the calculation method for human health and environmental hazards. Physical hazards were determined based on the specification.

Description of hazard class and hazard statements from Section 3

Repr. 1B - Toxic to Reproductive Category 1B
H360 - May damage fertility or the unborn child.

Section 16 Other information (Continued)

Abbreviations and acronyms

ACGIH - American Conference of Governmental Industrial Hygienists (ACGIH)
ADR and RID - European Agreement Concerning the International Carriage of Dangerous Goods by Road and Rail
CLP - Classification, Labeling and Packaging
DFGMAK - Republic Germany's maximum exposure limit
EC50 - Concentration of a substance in an environmental medium expected to produce a certain effect in 50% of test organisms
GHS - Globally Harmonized System of Classification and Labelling of Chemicals (GHS)
HCS - Hazard Communication Standard
IARC - International Agency for Research on Cancer
IATA DGR - International Air Transport Association Dangerous Goods Regulation
ICAO - International Civil Aviation Organization
IDLH - Immediately Dangerous to Life or Health
IMDG - International Maritime Dangerous Goods
IMO - International Maritime Organization
IOELVs - European Unions' Indicative Occupational Exposure Limit Values
LC50 - Concentration of a substance in water causing death (50% of the tested population) to aquatic life
LD50 - Lethal Dose 50%
NIOSH - National Institute for Occupational Safety and Health
NTP - National Toxicology Program
OSHA - Occupational Safety and Health Administration
PBT - Persistent Bioaccumulative and Toxic substances
PEL - Permissible Exposure Limit
SARA - Superfund Amendments and Reauthorization Act
STEL – Short Term Exposure Limit
STLV - Short Term Limit Value
STV - Short Term Value
TDG - Canadian Transportation of Dangerous Goods Regulations
TLV - Threshold Limit Value
TWA – Time Weighted Average
UN GHS - United Nations Globally Harmonized System
US DOT - United States Department of Transportation
US OSHA - United States Occupational Safety and Health Administration
vPvB - very Persistent and very Bioaccumulative substances
WHMIS - Workplace Hazardous Material Information System

For further information, please contact your local Beckman Coulter, Inc. representative.

WHILE BECKMAN COULTER, INC. BELIEVES THE INFORMATION CONTAINED HEREIN IS VALID AND ACCURATE, BECKMAN COULTER, INC. MAKES NO WARRANTY OR REPRESENTATION AS TO ITS VALIDITY, ACCURACY, OR CURRENCY. BECKMAN COULTER, INC. SHALL NOT BE LIABLE OR OTHERWISE RESPONSIBLE IN ANY WAY FOR USE OF EITHER THIS INFORMATION OR MATERIALS TO WHICH IT APPLIES. DISPOSAL OF HAZARDOUS MATERIALS MAY BE SUBJECT TO LOCAL LAWS OR REGULATIONS.