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

1.1. Product identifier

4 ml V-Monovette® Urine with stabiliser/ Transfer device

Further trade names

11.2253.001 - V-Monovette® Urine 4 ml with stabiliser
51.2253.040 - 4 ml V-Monovette® Urine with stabiliser / Transfer-device

CAS No:	10043-35-3
Index No:	005-007-00-2
EC No:	233-139-2

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

Use of the substance/mixture

Microbiological urine analysis

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 Jochen Hoffmann	Telephone:	+49 (0)2293 / 305 - 4500
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: R2 - Repr. Cat. 2
R phrases:
May impair fertility.
May cause harm to the unborn child.

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

Hazard categories:
Reproductive toxicity: Repr. 1B
Hazard Statements:
May damage fertility. May damage the unborn child.

2.2. Label elements

Hazardous components which must be listed on the label

Boric acid

Signal word:	Danger
Pictograms:	GHS08

Hazard statements

H360FD May damage fertility. May damage the unborn child.

Precautionary statements

P201 Obtain special instructions before use.

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

2.3. Other hazards

No information available.

SECTION 3: Composition/information on ingredients

3.1. Substances

Chemical characterization

The V-Monovette® with stabiliser contains boric acid (< 72 mg).

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		
233-139-2	Boric acid	100 %
10043-35-3	Repr. Cat. 2 R60-61	
005-007-00-2	Repr. 1B; H360FD	

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

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

First aider: Pay attention to self-protection! Remove affected person from the danger area and lay down.

After inhalation

Provide fresh air. Medical treatment necessary.

After contact with skin

Wash with plenty of water. Immediately remove any contaminated clothing, shoes or stockings. Medical treatment necessary.

After contact with eyes

After eye contact: Rinse immediately carefully and thoroughly with eye-bath or water. Consult an ophthalmologist.

After ingestion

Rinse mouth immediately and drink water (max. 2 glasses). Consult physician.

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

Drop in temperature, excitation, spasm, diarrhea, sickness, vomiting, tiredness, ataxia (disturbed coordination of movements).

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

No information available.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

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

Unsuitable extinguishing media

none

5.2. Special hazards arising from the substance or mixture

Non-flammable.
Surrounding fire may cause hazardous vapour.

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

For non-emergency personnel: Do not breathe dust. Avoid contact with substance. Call an expert. Provide adequate ventilation. Avoid generation of dust. Do not breathe dust. Avoid contact with skin, eyes and clothes. Use 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

Avoid generation of dust. Take up carefully when dry. Dispose of waste according to applicable legislation. Re-clean.

6.4. Reference to other sections

Safe handling: see section 7
Personal protection equipment: see section 8
See also section 10.
Disposal: see section 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Avoid generation of dust. Do not breathe dust.

Advice on protection against fire and explosion

No special fire protection measures are necessary.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Avoid contact with substance. Store at room temperature. Store in a dry place. Store in a place accessible by authorized persons only.

Advice on storage compatibility

No special measures are necessary.

7.3. Specific end use(s)

Microbiological urine analysis

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.2. Exposure controls

Appropriate engineering controls

If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe dust.

Protective and hygiene measures

Remove contaminated, saturated clothing immediately. Draw up and observe skin protection programme. Wash hands and face before breaks and after work and take a shower if necessary. When using do not eat or drink.

Eye/face protection

Wear eye protection.

Hand protection

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. 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. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Skin protection

Wear suitable protective clothing.

Respiratory protection

Required in case of formation of dust. Recommended filter type: filter P 2

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	solid
Colour:	white
Odour:	odourless

		Test method
pH-Value:	not determined	
Changes in the physical state		
Melting point:	>1000 °C	OECD 102
Initial boiling point and boiling range:	not determined	
Flash point:	not applicable	
Flammability		
Solid:	not determined	
Gas:	not applicable	
Lower explosion limits:	not determined	
Upper explosion limits:	not determined	
Ignition temperature:	Non-flammable.	
Auto-ignition temperature		
Solid:	not determined	
Gas:	not applicable	

Decomposition temperature:	184,9 °C	

Oxidizing properties

Not oxidizing.

Vapour pressure:	<0,0000001 hPa	OECD 104
Density (at 23 °C):	1,489 g/cm³	OECD 109
Bulk density:	ca. 400 - 600 kg/m³	
Water solubility: (at 20 °C)	49,2 g/L	OECD 105

Solubility in other solvents

not determined

Partition coefficient:	-1,09
Vapour density:	not determined
Evaporation rate:	not determined

9.2. Other information

Solid content:	not determined

SECTION 10: Stability and reactivity

10.1. Reactivity

See section 10.3.

10.2. Chemical stability

Hygroscopic.

10.3. Possibility of hazardous reactions

Exothermic reactions with:
Acetic anhydride

10.4. Conditions to avoid

No data available

10.5. Incompatible materials

No data available

10.6. Hazardous decomposition products

No data available

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

CAS No	Chemical name				
	Exposure routes	Method	Dose	Species	Source
10043-35-3	Boric acid				
	oral	LD50	>2660 mg/kg	Rat	OECD 401
	dermal	LD50	>2000 mg/kg	Rat	(ECHA)

STOT-single exposure

No information available.

Severe effects after repeated or prolonged exposure

No information available.

Carcinogenic/mutagenic/toxic effects for reproduction

May damage the unborn child. May damage fertility.

Aspiration hazard

No information available.

Additional information on tests

This mixture is classified as hazardous according to regulation (EC) No. 1272/2008 [CLP]. Special hazards arising from the substance or mixture!

Further information

After resorbing big quantities:
Drop in temperature, excitation, spasm, diarrhea, sickness, vomiting, tiredness, ataxia (disturbed coordination of movements).
The usual precautions are to be adhered to when handling chemicals.

SECTION 12: Ecological information

12.1. Toxicity

Aquatic toxicity: The classification criteria for this hazard class are not met by definition.

CAS No	Chemical name					
	Aquatic toxicity	Method	Dose	[h] | [d]	Species	Source
10043-35-3	Boric acid					
	Acute fish toxicity	LC50	50 - 100 mg/l	96 h	Oncorhynchus mykiss (Rainbow trout)	(ECOTOX Database)
	Acute crustacea toxicity	EC50	133 mg/l	48 h	Daphnia magna (Big water flea)	(ECOTOX Database)

12.2. Persistence and degradability

The product has not been tested.

12.3. Bioaccumulative potential

Bioaccumulation is not to be expected.

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
10043-35-3	Boric acid	-1,09

12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

not applicable

12.6. Other adverse effects

No information available.

Further information

Discharge into the environment must be avoided.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Advice on disposal

Dispose of waste according to applicable legislation.

SECTION 14: Transport information

Land transport (ADR/RID)

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

No information available.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

not applicable

SECTION 15: Regulatory information

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

National regulatory information

Employment restrictions: Observe employment restrictions for young people. Observe employment restrictions for child bearing mothers and nursing.

Water contaminating class (D): 1 - slightly water contaminating

Additional information

Substances of Very High Concern (SVHC): This product contains substances of very high concern according to REACH guideline EC No. 1907/2006 Art. 57 above the legal concentration limit of >= 0.1 % (w/w).

Instructions of BG RCI (Germany):
M039 Damage to the unborn child - protection at the workplace -
M050 handling of hazardous materials

15.2. Chemical safety assessment

For this substance a chemical safety assessment has been carried out.

SECTION 16: Other information

Changes

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

Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route
(European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service
LC50: Lethal concentration, 50%
LD50: Lethal dose, 50%
SVHC: Substances of Very High Concern

Relevant R-phrases (Number and full text)

60 May impair fertility.
61 May cause harm to the unborn child.

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

H360FD May damage fertility. May damage the unborn child.

Further Information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.