



Hain Lifescience GmbH
Hardwiesenstr. 1
72147 Nehren
Deutschland
www.hain-lifescience.de

SAFETY DATA SHEET: BSDS14

Language	EN
Revision No.:	1
Date:	2018-08-14

SECTION 1 IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

1.1.1 Component Name	1.1.2 Code
Stool Stabilizer	Kit Components: Bullet Stool Kit (1.32.104)

The information included in this safety data sheet exclusively refers to the components mentioned in point 1.1.1

Chemical denomination

Solution containing a mixture of Ammonium Chloride and Cetrimonium bromide

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

Intended Use: Laboratory reagents for in vitro diagnostics

1.3 Details of the supplier of the safety data sheet

Manufacturer:
Hain Lifescience GmbH
Hardwiesenstr. 1
72147 Nehren
Deutschland
Tel: +49 (0) 74 73- 94 51- 0
www.hain-lifescience.de

Responsible Person: msds@hain-lifescience.de

1.4 Emergency telephone number

European emergency number: 112

United Kingdom of Great Britain and Northern Ireland

National Poisons Information Service (Birmingham Unit)
City Hospital
Dudley Rd
Birmingham
National Poisons Information Service Edinburgh
Scottish Poisons Information Bureau
Royal Infirmary
51 Little France Crescent
Edinburgh
Emergency number: 999

Telephone number: +44 121 507 4123
Emergency telephone number: 844 892 0111
Fax: +44 121 507 55 88 **E-mail:** mail@npis.org

Telephone number: +44 131 242 1383
Emergency telephone number: 844 892 0111
Fax: +44 131 242 13 87 **E-mail:** spib@luht.scot.nhs.uk

Ireland

Poisons Information Centre of Ireland
Beaumont Hospital
PO Box 1297
Dublin
Emergency number: 999

Telephone number: +353 1 809 25 66
Emergency telephone number:
+353 1 837 9964 (medical professionals)
+353 1 809 2166 (public)
Fax: +353 1 836 84 76 **E-mail:** npicdublin@beaumont.ie

The Netherlands

National Poisons Information Centre, The Netherlands
University Medical Centre Utrecht
Postbus 85500
Utrecht

Telephone number: +31 88 755 85 61
Emergency telephone number: +31 30 274 88 88
Fax: +31 30 254 15 11 **E-mail:** nvic@umcutrecht.nl

Malta

Mater Dei Hospital
Msida MSD 2090
MALTA

Telephone number: 2545-0000
Fax: 2545 4154 **E-mail:** mdh@gov.mt



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Australia

NSW Poisons Information Centre
Children's Hospital Westmead
Hawkesbury Road
Sydney

Telephone number: +61 2 9845 3969
Emergency telephone number: 131126 (national calls)
Fax: +61 2 9845 3597 **E-mail:** www.poisonsinfo.nsw.gov.au

South Africa

Tygerberg Poison Information Centre
Division of Pharmacology, Department of Medicine
Faculty of Health Sciences
Tygerberg Campus
Stellenbosch University
Tygerberg

Telephone number: +27 21 938 95 96
Emergency telephone number: +27 21 931 6129
Fax: +27 21 938 91 22 **E-mail:** caw@sun.ac.za

SECTION 2 HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

The product is classified as hazardous pursuant to the provisions set forth in EC Regulation 1272/2008 (CLP) (and subsequent amendments and supplements). The product thus requires a safety datasheet that complies with the provisions of EC Regulation 1907/2006 and subsequent amendments.


Any additional information concerning the risks for health and/or the environment are given in sections 11 and 12 of this sheet.

REGULATION (EC) No 1272/2008

Eye Irrit. 2 H319

2.2. Label elements.

Hazard labeling pursuant to Directives 67/548/EEC and 1999/45/EC and subsequent amendments and supplements.

REGULATION (EC) No 1272/2008	
SIGNAL WORD:	Warning
SYMBOLS / PICTOGRAMS:	 GHS07
HAZARD STATEMENTS:	H319 Causes serious eye irritation
PRECAUTIONARY STATEMENTS:	P280 Wear protective gloves / protective clothing / eye protection / face protection. P337+P313 If eye irritation persists: Get medical advice / attention.

2.3 Other hazards

None

SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

N.A. for mixture



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3.2 Mixtures

Contains:
Ammonium Chloride

CAS No.	CE No.	Index No.	Concentration	Classification Reg. 1272/2008 (pure substance)
12125-02-9	235-186-4	017-014-00-8	≤20%	Acute Tox., 4 H302 Eye Irrit. 2 H319

Cetrimonium Bromide

CAS No.	CE No.	Index No.	Concentration	Classification Reg. 1272/2008 (pure substance)
57-09-0	200-311-3	200-311-3	≤2%	Acute Tox., 4 H302 Eye Damage 1 H318 Skin Irrit. 2 H315 STOT SE 3 H335 Aquatic Acute 1 H400

Refer to §16 for complete text of risk phrases, hazard indication and class.

SECTION 4 FIRST AID MEASURES

4.1 Description of first aid measures

EYES: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.

SKIN: Remove contaminated clothing. Rinse skin with shower immediately. Get medical advice/attention.

INHALATION: Get medical advice/attention immediately. Remove victim to fresh air, away from the accident scene. If the subject stops breathing, administer artificial respiration. Take suitable precautions for rescue workers.

INGESTION: Have the subject drink as much water as possible. Get medical advice/attention. Do not induce vomiting unless explicitly authorised by a doctor.

4.2 Most important symptoms and effects, both acute and delayed

For symptoms and effects caused by the contained substances, see chap. 11.

4.3 Indication of any immediate medical attention and special treatment needed

Information not available.

SECTION 5 FIREFIGHTING MEASURES

5.1 Extinguishing media

SUITABLE EXTINGUISHING EQUIPMENT

The extinguishing equipment should be of the conventional kind: carbon dioxide, foam, powder and water spray.

UNSUITABLE EXTINGUISHING EQUIPMENT

None in particular.

5.2 Special hazards arising from the substance or mixture

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE

Do not breathe combustion products.

Cetrimonium Bromide: nitric oxides and hydrobromic acid may develop.

5.3 Advice for firefighters

GENERAL INFORMATION

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

Normal fire fighting clothing i.e. fire kit (BS EN 469, gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).



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SECTION 6 ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

FOR LIQUID PRODUCTS:

Block the leakage if there is no hazard.

6.2 Environmental precautions

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

6.3 Methods and material for containment and cleaning up

FOR LIQUID PRODUCTS: Collect the leaked product into a suitable container. Evaluate the compatibility of the container to be used, by checking section 10. Absorb the remainder with inert absorbent material.

Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

6.4 Reference to other sections

Any information on personal protection and disposal is given in sections 8 and 13.

SECTION 7 HANDLING AND STORAGE

7.1 Precautions for safe handling

Before handling the product, consult all the other sections of this material safety data sheet. Avoid leakage of the product into the environment. Do not eat, drink or smoke during use. Remove any contaminated clothes and personal protective equipment before entering places in which people eat.

7.2 Conditions for safe storage, including any incompatibilities

Store only in the original container. Store the containers sealed, in a well ventilated place, away from direct sunlight. Keep containers away from any incompatible materials, see section 10 for details.

7.3 Specific end uses

The mixtures are intended specifically for in vitro use, for the examination of samples of human origin. Handle in accordance with good laboratory practice, while also considering the risks deriving from the materials under analysis.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Ammonium Chloride

Type	Country	TWA/8h mg/m ³	STEL/15min mg/m ³
RV	LV	10	
TLV	CZ	5	10
MDK	HR	10	20
TLV	DK	10	
MAC	NL	10	
VLA	E	10	20
TLV	GR	10	20
RD	LT	10	
TLV	BG	10	
WEL	UK	10	20
TLV	CH	3	
VLEP	F	10	
TLV	N	10	
TLV	B	10	20
OEL	IRL	10	20
TLV-ACGIH		10	20



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8.2 Exposure controls

As the use of adequate technical equipment must always take priority over personal protection equipment, make sure that the workplace is well aired through effective local aspiration. Personal protection equipment must comply with the rules in force indicated below.

HAND PROTECTION

Protect hands with category I (ref. Directive 89/686/EEC and standard EN 374) work gloves, such as those in PVC, neoprene, nitril or equivalent. The following should be considered when choosing work glove material: degradation, breakage times and permeation. Work glove resistance to preparations should be checked before use, as it can be unpredictable. Gloves' limit depends on the duration of exposure.

EYE PROTECTION

Wear safety goggles or visor.

RESPIRATORY PROTECTION

If the threshold value (if available) for one or more of the substances present in the preparation for daily exposure in the workplace or to a fraction established by the company's prevention and protection service is exceeded, wear a mask with an B or universal filter, the class (1, 2 or 3) of which must be chosen according to the limit concentration of use (ref. standard EN 141).

ENVIRONMENTAL EXPOSURE CONTROLS

The emissions generated by the IVD processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Information for the mixture

PROPERTY	DATA
APPEARANCE:	Colourless Liquid
ODOR:	Odourless
ODOR THRESHOLD:	Not available
PH:	Not available
MELTING POINT/FREEZING POINT	Not available
INITIAL BOILING POINT AND BOILING RANGE	Not available
FLASH POINT:	Not available
EVAPORATION RATE	Not available
FLAMMABILITY (SOLID, GAS):	Not available
UPPER/LOWER FLAMMABILITY OR EXPLOSIVE LIMITS:	Not available
VAPOR PRESSURE:	Not available
VAPOR DENSITY:	Not available
RELATIVE DENSITY:	Not available
SOLUBILITY(IES):	Soluble
PARTITION COEFFICIENT (N-OCTANOL/WATER):	Not available
AUTO-IGNITION TEMPERATURE:	Not available
DECOMPOSITION TEMPERATURE:	Not available
VISCOSITY:	Not available
EXPLOSIVE PROPERTIES:	Not available
OXIDIZING PROPERTIES:	Not available

9.2 Other information

Not Available



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SECTION 10 STABILITY AND REACTIVITY

10.1 Reactivity

There are no particular risks of reaction with other substances in normal conditions of use.

10.2 Chemical stability

The product is stable in normal conditions of use and storage.

10.3 Possibility of hazardous reactions

No hazardous reactions are foreseeable in normal conditions of use and storage.

10.4 Conditions to avoid

None in particular. However the usual precautions used for chemical products should be respected.

Ammonium Chloride: Moisture and sources of heat.

10.5 Incompatible materials

AMMONIUM CHLORIDE: Water, bromine trifluoride and pentafluoride, iodine heptafluoride, potassium chlorate, alkalis, alkaline carbonates, acids, lead and silver salts.

10.6 Hazardous decomposition products

AMMONIUM CHLORIDE: nitric oxide, ammonia and hydrochloric acid.
CETYL TRIMETHYL AMMONIUM BROMIDE: ammonia, nitric oxides, hydrobromic acid, carbon oxides.

SECTION 11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

In the absence of experimental data for the product itself, health hazards are evaluated according to the properties of the substances it contains, using the criteria specified in the applicable regulation for classification. It is therefore necessary to take into account the concentration of the individual hazardous substances indicated in section 3, to evaluate the toxicological effects of exposure to the product.

Acute effects: stinging eyes. Symptoms may include: rubescence, edema, pain and lachrymation.
Vapour inhalation may moderately irritate the upper respiratory tract. Contact with skin may cause slight irritation.
Ingestion may cause health problems, including stomach pain and sting, nausea and sickness.

AMMONIUM CHLORIDE
LD50 (Oral). 1410 mg/kg Rat

SECTION 12 ECOLOGICAL INFORMATION

Use this product according to good working practices. Avoid littering. Inform the competent authorities, should the product reach waterways or sewers or contaminate soil or vegetation.

12.1 Toxicity

CETYL TRIMETHYL AMMONIUM BROMIDE
LC50 (96h). 0,6 mg/l/96h
EC50 (48h), 0,24 mg/l/48h Echinogammarus tibaldi (Amphipod)
IC50 (72h). 0,025 mg/l/72h Microcystis

12.2 Persistence and degradability

CETYL TRIMETHYL AMMONIUM BROMIDE: not easily biodegradable.

12.3 Bioaccumulative potential

CETYL TRIMETHYL AMMONIUM BROMIDE: no appreciable bioaccumulation potential (log Ko/w 1-3).

12.4 Mobility in soil

Information not available.



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12.5 Results of PBT and vPvB assessment

No information available.

12.6 Other adverse effects

Information not available.

SECTION 13 DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product residues should be considered special hazardous waste. The hazard level of waste containing this product should be evaluated according to applicable regulations.

Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.

CONTAMINATED PACKAGING

Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

SECTION 14 TRANSPORT INFORMATION

This product is not dangerous under current provisions of the Code of International Carriage of Dangerous Goods by Road (ADR) and by rail (RID) of the International Maritime Dangerous Goods Code (IMDG) and of the International Transport Association (IATA) regulations.

SECTION 15 REGULATORY INFORMATION

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

Canada	This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.	
	WHMIS Hazard Class:	D2B – Eye Irritation – toxic - other
	DSL:	Y Ammonium Chloride and Cetrimonium Bromide
	IDL	Y Ammonium Chloride ≥ 1%
NDSL:	N	
EU	Classification and procedures used to derive the classification for products listed in Section 1.1 according to European Union regulations and directives: 67/548/EEC, 1999/45/EC, 2001/60/EC and Regulation (EC) 1272/2008. This MSDS complies with regulations on Safety Data Sheet preparation; Directive 2001/58/CE and REACH Regulation 1907/2006/CE, article 31.	
	Seveso Category:	None
	EC No. 1907/2006 – Candidate List:	None
	EC No. 1907/2006 Annex XIV – Authorization:	None
	EC No. 1907/2006 Annex XVII - Restrictions:	Point 3
	Healthcare Controls:	None
	Rotterdam Protocol:	None
Stockholm Protocol:	None	
Germany:	Ammonium Chloride: Substance No: 213, Water Hazard Class, WGK 1 Cetrimonium Bromide: Substance No: 600, Water Hazard Class, WGK 3	
United States	Product components listed in Section 1.1 are classified in accordance with OSHA Hazard Communication Standard, 29 CFR 1910.1200, and individual US state Right-to-Know laws.	
	CAA:	N – Does not contain any hazardous air pollutants (HAPs) or Class 1 or 2 Ozone depletors.
	CWA:	N
	CERCLA:	RQ - 5000 lbs (2270 kg) Ammonium Chloride
	SARA 302:	N
	SARA 311/312:	N
	SARA 313:	N
	TSCA:	Y Ammonium Chloride
CA Prop 65:	N	



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15.2 Chemical safety assessment

No chemical safety assessment has been processed for the mixture and the substances it contains.

SECTION 16 OTHER INFORMATION

Text of hazard (H) indications mentioned in section 2-3 of the sheet:

Eye Irrit. 2	Eye Irritant Category 2
Acute Tox 4	Acute Toxicity, Category 4
Eye Damage 1	Eye Damage, Category 1
Skin Irrit. 2	Skin Irritant, Category 2
STOT SE 3	Specific target organ toxicity - single exposure, category 3
Aquatic Acute 1	Hazardous to the aquatic environment, acute toxicity, category 1
H302	Harmful if swallowed
H315	Causes skin irritation
H318	Causes serious eye damage
H319	Causes serious eye irritation
H335	May cause respiratory irritation
H400	Very toxic to aquatic environment
P280	Wear protective gloves/protective clothing/eye protection/face protection
P337+P313	If eye irritation persists: get medical advice/attention
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.

LEGEND:

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- CAS NUMBER: Chemical Abstract Service Number
- CE NUMBER: Identifier in ESIS (European archive of existing substances)
- CLP: EC Regulation 1272/2008
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- INDEX NUMBER: Identifier in Annex VI of CLP
- OEL: Occupational Exposure Level
- PBT: Persistent bioaccumulative and toxic as Reach Regulation
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PNEC: Predicted no effect concentration
- REACH: EC Regulation 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- VOC: Volatile organic Compounds
- vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation.

GENERAL BIBLIOGRAPHY

1. Directive 1999/45/EC and following amendments
2. Directive 67/548/EEC and following amendments and adjustments
3. Regulation (EC) 1907/2006 (REACH) of the European Parliament
4. Regulation (EC) 1272/2008 (CLP) of the European Parliament
5. Regulation (EC) 790/2009 (I Atp. CLP) of the European Parliament
6. Regulation (EC) 453/2010 of the European Parliament
7. Regulation (EC) 286/2011 (II Atp. CLP) of the European Parliament
8. The Merck Index. - 10th Edition
9. Handling Chemical Safety
10. Niosh - Registry of Toxic Effects of Chemical Substances
11. INRS - Fiche Toxicologique (toxicological sheet)
12. Patty - Industrial Hygiene and Toxicology
13. N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition
14. ECHA website

All information is correct, to the best of our knowledge, on the date of issue of the data sheet. It is provided for information purposes only, however, and does not constitute a guarantee.

Procedures for use: see instructions in the package. Do not use the product for any purpose other than that for which it is intended.

Judgments as to the suitability of information herein for the purchaser's purposes are necessarily the purchaser's responsibility.



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Although reasonable care has been taken in the preparation of such information, the company extends no warranties, makes no representations and assumes no responsibility as to accuracy or suitability of such information for application to purchaser's intended purposes and accepts no responsibility for any injury, loss or damage deriving from improper use of the product.
The product is employed under its users' control and it is their responsibility to comply with the correct operating procedures indicated, as well as to observe proper laboratory hygiene.