



Release Date: 9/1/19

REF	Product Name
GTIN	

6K12-24	<i>Abbott mSample Preparation System DNA</i>
----------------	--

Components:

MD201A GHS	Abbott mLysis DNA / mLysis DNA
MD202A GHS	Abbott mWash 1 DNA / mWash 1 DNA
MD203A GHS	Abbott mWash 2 DNA / mWash 2 DNA
MD204A GHS	Abbott mElution Buffer DNA/ mElution Buffer DNA
MD205A GHS	Abbott mMicroparticles DNA/ mMicroparticles DNA

Safety Data Sheet

according to WHS Regulations

© Abbott Laboratories

Release date 01.09.2019

Version number 11

Last alteration on 22.08.2019

1 Identification

Product identifier

- Trade name: **Abbott mLysis DNA / mLysis DNA**
- Article number: MD201A GHS
- Application of the substance / the preparation: For In Vitro Diagnostic Use

Details of the supplier of the safety data sheet

- Supplier:
Abbott Australasia P/L (Diagnostics Division)
299 Lane Cove Road
Macquarie Park NSW 2113
Tel: +61 2 9857 1111
Abbott Australasia P/L (Molecular Division)
299 Lane Cove Road
Macquarie Park NSW 2113
Tel: +61 2 9857 1111
- Informing department: see Supplier
- Emergency telephone number
1800 816 696 and (+61 2 9857 1111)
Contact the CHEMTREC® Emergency Call Center for assistance with transportation or hazardous materials emergencies (24 hours/day, 7 days/week). Refer to Abbott customer number 675834.
- Telephone (800) 424-9300 (toll-free) if you are calling from within the United States, Canada, Puerto Rico and the Virgin Islands.
- Telephone +1 (703) 527-3887, the international and maritime number (collect calls accepted), if you are calling from outside the United States or from a ship at sea.

2 Hazard(s) Identification

Classification of the substance or mixture

- Classification according to Regulation (EC) No 1272/2008:
- Acute Tox. 4 H302 Harmful if swallowed.
- Acute Tox. 4 H332 Harmful if inhaled.
- Skin Corr. 3 H316 Causes mild skin irritation.
- Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

Label elements

- GHS label elements
The product is classified and labelled according to the Globally Harmonised System (GHS).

- Hazard pictograms:



- Signal word: Warning
- Hazard-determining components of labelling:
Guanidine thiocyanate
- Hazard statements:
H302 Harmful if swallowed.

(Continued on page 2)

AUS

Trade name: Abbott mLysis DNA / mLysis DNA

(Continued from page 1)

H332 Harmful if inhaled.
H316 Causes mild skin irritation.
H412 Harmful to aquatic life with long lasting effects.

Precautionary statements:

P261 Avoid breathing mist / vapours / spray.
P264 Wash hands thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P271 Use only outdoors or in a well-ventilated area.
P273 Avoid release to the environment.
P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P330 Rinse mouth.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P332+P313 If skin irritation occurs: Get medical advice/attention.
P501 This material and its container must be disposed of in a safe way.

Routes of Exposure: Inhalation

3 Composition and Information on Ingredients

Dangerous components according to EC criteria:

CAS: 593-84-0	Guanidine thiocyanate	55.60%
	Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332; Aquatic Chronic 3, H412	
CAS: 1185-53-1	Tromethamine hydrochloride	1.58%
	Skin Irrit. 2, H315; Eye Irrit. 2A, H319; STOT SE 3, H335	

Additional information:

For the complete text of Hazard (H) codes displayed in this section, refer to Section 16.

4 First Aid Measures

After inhalation:

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

After skin contact:

Take off any clothing that the product touched. Rinse skin with running water for 15 to 20 minutes. Seek medical attention if irritation or signs of toxicity occur.

After eye contact:

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention. Wash hands after handling.

After swallowing: Rinse mouth with water. If irritation or signs of toxicity occur, seek medical attention.

Information for Medical Personnel:

Most important symptoms and effects, both acute and delayed:

Cramps
Gastric or intestinal disorders
Nausea
Headache
Disorientation
Kidney effects

(Continued on page 3)

Safety Data Sheet

according to WHS Regulations

© Abbott Laboratories

Release date 01.09.2019

Version number 11

Last alteration on 22.08.2019

Trade name: Abbott mLysis DNA / mLysis DNA

Dizziness

(Continued from page 2)

5 Fire Fighting Measures

· Suitable extinguishing agents:

Dry chemical, carbon dioxide (CO₂), water spray or regular foam.

- Caution: CO₂ will displace air in confined spaces and may cause an oxygen-deficient atmosphere.
- For larger fires: There are no unique chemical or reactivity hazards that would impact firefighting decisions related to this product. Use firefighting measures that suit the environment.

· Special hazards arising from the substance or mixture

There are no unique chemical or reactivity hazards that would impact firefighting decisions due to the chemicals in this product.

No further relevant information available.

· Protective equipment:

For large fires, wear appropriate heat- and flame-resistant personal protective equipment and an approved positive-pressure, self-contained breathing apparatus.

6 Accidental Release Measures

· Personal precautions, protective equipment and emergency procedures

Minimize exposure by using appropriate personal protective equipment as listed in Section 8. Stop leak if possible. Keep unprotected persons away.

· Environmental precautions

Prevent liquid and vapor from entering sewage system, storm drains, surface waters, and soil.

· Methods and material for containment and cleaning up

Blot up small volumes of spilled or spattered product with paper towels or similar materials.

- Contain larger spills by placing absorbents around the outside edges of the spill. Absorb with any material suitable for water-based liquids - e.g. paper towels, universal sorbents, sand, diatomite, sawdust, etc.

Clean the affected area. Suitable cleaners are:

- warm water and detergent or similar cleansing agent

Dispose of spilled and contaminated material in accordance with Federal, State, and Local regulations. See Section 13 for information that may impact disposal of materials contaminated with this product.

· Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

7 Handling and Storage

· Handling

- **Precautions for safe handling:** Avoid inhalation.
- **Information about protection against explosions and fires:** No special measures required.

· Storage:

- **Requirements to be met by storerooms and containers:** Store only in the original container.
- **Information about storage in one common storage facility:** Store in original packaging.

(Continued on page 4)

AUS

Safety Data Sheet

according to WHS Regulations

© Abbott Laboratories

Release date 01.09.2019

Version number 11

Last alteration on 22.08.2019

Trade name: Abbott mLysis DNA / mLysis DNA

(Continued from page 3)

· **Further information about storage conditions:**

Refer to the package insert or product label for additional information on storage conditions for product quality.

8 Exposure controls and personal protection

· **Components with limit values that require monitoring at the workplace:**

The product does not contain any hazardous ingredients with occupational exposure limits.

· **Personal protective equipment:**

· **General protective and hygienic measures:**

Always maintain good housekeeping and follow general precautionary measures. Do not eat, drink or store food and beverages in areas where chemicals or specimens are used. Wash hands before breaks, after handling reagents and specimens, and at the end of the workshift.

· **Breathing equipment:**

Normal use and storage of product - respiratory protection is not necessary if room is well ventilated.

Small-volume spills (e.g. small enough to clean up with a paper towel or small sorbent pad) - respiratory protection should not be necessary if room is well ventilated.

Other unusual conditions (e.g. volume spilled too big to clean up with materials in arm's reach) - Use appropriate air-purifying respirator if airborne chemical concentrations may exceed the exposure limit (if any) listed above.

Hazardous Materials Emergencies or Firefighting - use approved respiratory protection.

Take precautions if chemical concentrations exceed the exposure limits (if any) listed above.

· **Protection of hands:**

Wear impervious gloves if hand contact with the material is anticipated. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices.

· **Material of gloves and breakthrough time of the glove material:**

The glove material must be suitable for use in a microbiological laboratory and have a measured breakthrough time of at least 30 minutes, such as those with a Class 2 protection index per EN374 (or equivalent standard applicable in your region). NOTE: This recommendation applies only to the product stated in this Safety Data Sheet. When dissolving in or mixing with other substances, contact the supplier of approved gloves.

· **Eye protection:**

Wear safety glasses or other protective eyewear. If splash potential exists, wear full face shield or goggles.

· **Body protection:**

Normal use: protect personal clothing from spatters and small spills. Wear a laboratory coat (or other protective clothing required by your institution). Larger spills (e.g. that can saturate cloth): wear appropriate water-repellant covering over clothing.

9 Physical and Chemical Properties

· **General Information**

· **Form:**

Liquid

· **Colour:**

Yellow

· **Odour:**

Odourless

(Continued on page 5)

AUS

Safety Data Sheet

according to WHS Regulations

© Abbott Laboratories

Release date 01.09.2019

Version number 11

Last alteration on 22.08.2019

Trade name: Abbott mLysis DNA / mLysis DNA

(Continued from page 4)

· pH-value at 20 °C:	7.8
· Melting point/freezing point:	Not determined
· Initial boiling point and boiling range:	Not determined
· Flash point:	Not applicable
· Inflammability (solid, gaseous):	Not applicable
· Auto igniting	Product is not self-igniting.
· Explosive properties:	Product does not present an explosion hazard.
· Explosion limits	
· Lower:	Not determined
· Upper:	Not determined
· Vapour pressure:	Not determined
· Density at 20 °C	1.135 g/cm ³
· Evaporation rate:	Not determined
· Solubility in / Miscibility with	
· Water:	Not miscible or difficult to mix
· Viscosity:	
· dynamic:	Not determined
· Water:	32.8 %
· Solids content:	0.0 %

10 Stability and Reactivity

- **Thermal decomposition / conditions to be avoided:**
No decomposition if used and stored according to specifications.
- **Possibility of hazardous reactions:** Reacts with strong acids and oxidizing agents.
- **Conditions to avoid:** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** Hydrogen cyanide (prussic acid)

11 Toxicological Information

- **Acute toxicity**
- **LD/LC50 values that are relevant for classification:**

Ingredients (100% pure substance/s):		
CAS: 593-84-0 Guanidine thiocyanate		
Oral	LD50	475 mg/kg (rat) By analogy to Guanidine hydrochloride.
Dermal	LD50	>2,000 mg/kg (rabbit) By analogy to Guanidine hydrochloride.

(Continued on page 6)

AUS

Safety Data Sheet

according to WHS Regulations

© Abbott Laboratories Release date 01.09.2019

Version number 11

Last alteration on 22.08.2019

Trade name: Abbott mLysis DNA / mLysis DNA

(Continued from page 5)

	LD50 (ip)	300 mg/kg (mouse) By analogy to Guanidine hydrochloride.
	Target Organ Effects	(other) By analogy to Guanidine hydrochloride. Produced severe skin irritation in rabbits and mild to moderate eye irritation in animals. Thiocyanate dust may cause irritation of the mucous membranes and upper respiratory tract. Low doses of thiocyanates may cause headache, drowsiness, dizziness, narcosis, hypotension, visual hallucinations, confusion and cyanosis. Large doses may lead to psychotic episodes.
CAS: 1185-53-1 Tromethamine hydrochloride		
Oral	LD50	<1,000 mg/kg (rabbit) 1,780-5,900 mg/kg (rat)

- **Primary irritant effect:**
 - **Skin corrosion/irritation** No irritant effect.
 - **Serious eye damage/irritation** No irritant effect.
- **Sensitisation:** No sensitising effects known.

· **Additional toxicological information:** None

· **Target organs/systems:**

Kidneys
Gastrointestinal tract
Nervous system
Cardiovascular system

12 Ecological Information

- **Aquatic toxicity:** No further relevant information available.
- **Additional ecological information**
 - **General notes:**
Do not allow product to reach ground water, water course, or sewage system.
Harmful to aquatic organisms.
Refer to applicable local regulations for limit values of discharge into sewage system.
- **Results of PBT and vPvB assessment**
 - **PBT:** Not applicable
 - **vPvB:** Not applicable

13 Disposal considerations

- **Recommendation for disposal of unused product:**
Dispose in accordance with national, state and local regulations.

· **Uncleaned packagings**

For disposal of contaminated packaging, refer to applicable local regulations and institutional policies.

· **Recommendation for disposal of packaging:**

Non-contaminated packaging may be used for recycling. Refer to applicable local regulations and institutional policies.

For disposal of contaminated packaging, refer to applicable local regulations and institutional policies.

(Continued on page 7)

AUS

Trade name: Abbott mLysis DNA / mLysis DNA

(Continued from page 6)

· **Recommended cleaning agent:** Water with cleansing agents, if necessary.

14 Transport information

· **UN-Number**

· ADG, ADN, IMDG, IATA None

· **UN proper shipping name**

· ADG, ADN, IMDG, IATA None

· **Transport hazard class(es)**

· ADG, ADN, IMDG, IATA
· Class None

· **Packing group**

· ADG, IMDG, IATA None

· **Environmental hazards**

· Marine pollutant: No

· **Transport/Additional information**

· **ADG**
· Remarks: Not restricted for transportation.
· **IMDG**
· Remarks: Not restricted for transportation.
· **IATA**
· Remarks: Not restricted for transportation.

15 Regulatory information

· **Australian Inventory of Chemical Substances**

All ingredients are listed.

· **Directive 2012/18/EU**

· **Named dangerous substances - ANNEX I** None of the ingredients is listed.

16 Other information

The information and recommendations contained herein are based upon information or tests believed to be reliable. Abbott Laboratories does not guarantee the accuracy or completeness of this information or recommendations contained herein, NOR SHALL ANY OF THIS INFORMATION CONSTITUTE A WARRANTY, WHETHER EXPRESSED OR IMPLIED, AS TO THE SAFETY OF THE GOODS, THE MERCHANTABILITY OF THE GOODS, OR THE FITNESS OF THE GOODS FOR A PARTICULAR PURPOSE.

This information is not a substitute for the advice of a health care professional, nor is it a recommendation for any particular course of treatment. It is not intended to supplement, modify or supersede any information provided with respect to the medical use of the product. Abbott Laboratories assumes no responsibility for results obtained or for incidental or consequential damages, including lost profits, arising from the use of these data. No warranty against infringement of any patent, copyright or trademark is made or implied.

(Continued on page 8)

Safety Data Sheet

according to WHS Regulations

© Abbott Laboratories Release date 01.09.2019

Version number 11

Last alteration on 22.08.2019

Trade name: Abbott mLysis DNA / mLysis DNA

(Continued from page 7)

· Complete text for H (Hazard) codes displayed in Section 3:

Note: The respective H statements apply to the pure substances.

· Contact supplier

Tel. Abbott Molecular Customer Service: 1-800-553-7042

Abbott Australasia P/L (Diagnostics Division)

Emergency Contact number: 1800 816 696 and +61 2 9857 1111

· Abbreviations and acronyms:

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organisation

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 Harmonised 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 (Division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: persistent, bioaccumulative and toxic

vPvB: very persistent and very bioaccumulative

Acute Tox. 4: Acute toxicity – Category 4

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Skin Corr. 3: Skin corrosion/irritation – Category 3

Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

· * Data compared to the previous version altered.

AUS

Safety Data Sheet

according to WHS Regulations

© Abbott Laboratories

Release date 01.09.2019

Version number 9

Last alteration on 22.08.2019

1 Identification

Product identifier

- Trade name: **Abbott mWash 1 DNA / mWash 1 DNA**
- Article number: MD202A GHS
- Application of the substance / the preparation: For In Vitro Diagnostic Use

Details of the supplier of the safety data sheet

- Supplier:
Abbott Australasia P/L (Molecular Division)
299 Lane Cove Road
Macquarie Park NSW 2113
Tel: +61 2 9857 1111
Abbott Australasia P/L (Diagnostics Division)
299 Lane Cove Road
Macquarie Park NSW 2113
Tel: +61 2 9857 1111
- Informing department: see Supplier
- Emergency telephone number
Contact the CHEMTREC® Emergency Call Center for assistance with transportation or hazardous materials emergencies (24 hours/day, 7 days/week). Refer to Abbott customer number 675834.
- Telephone (800) 424-9300 (toll-free) if you are calling from within the United States, Canada, Puerto Rico and the Virgin Islands.
- Telephone +1 (703) 527-3887, the international and maritime number (collect calls accepted), if you are calling from outside the United States or from a ship at sea.
1800 816 696 and (+61 2 9857 1111)

2 Hazard(s) Identification

Classification of the substance or mixture

- Classification according to Regulation (EC) No 1272/2008:
Acute Tox. 4 H302 Harmful if swallowed.
Acute Tox. 4 H332 Harmful if inhaled.
Skin Corr. 3 H316 Causes mild skin irritation.
Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

Label elements

- GHS label elements
The product is classified and labelled according to the Globally Harmonised System (GHS).

- Hazard pictograms:



- Signal word: Warning
- Hazard-determining components of labelling:
Guanidine thiocyanate
- Hazard statements:
H302 Harmful if swallowed.

(Continued on page 2)

AUS

Trade name: Abbott mWash 1 DNA / mWash 1 DNA

(Continued from page 1)

H332 Harmful if inhaled.
H316 Causes mild skin irritation.
H412 Harmful to aquatic life with long lasting effects.

· Precautionary statements:

P261 Avoid breathing mist / vapours / spray.
P264 Wash hands thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P271 Use only outdoors or in a well-ventilated area.
P273 Avoid release to the environment.
P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P330 Rinse mouth.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P332+P313 If skin irritation occurs: Get medical advice/attention.
P501 This material and its container must be disposed of in a safe way.

· **Routes of Exposure:** Inhalation

3 Composition and Information on Ingredients

· Dangerous components according to EC criteria:

CAS: 593-84-0	Guanidine thiocyanate	55.60%
	Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332; Aquatic Chronic 3, H412	
CAS: 1185-53-1	Tromethamine hydrochloride	1.58%
	Skin Irrit. 2, H315; Eye Irrit. 2A, H319; STOT SE 3, H335	

· Additional information:

For the complete text of Hazard (H) codes displayed in this section, refer to Section 16.

4 First Aid Measures

· After inhalation:

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

· After skin contact:

Take off any clothing that the product touched. Rinse skin with running water for 15 to 20 minutes. Seek medical attention if irritation or signs of toxicity occur.

· After eye contact:

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention. Wash hands after handling.

· **After swallowing:** Rinse mouth with water. If irritation or signs of toxicity occur, seek medical attention.

· Information for Medical Personnel:

· Most important symptoms and effects, both acute and delayed:

Cramps
Gastric or intestinal disorders
Nausea
Headache
Disorientation
Kidney effects

(Continued on page 3)

Safety Data Sheet

according to WHS Regulations

© Abbott Laboratories

Release date 01.09.2019

Version number 9

Last alteration on 22.08.2019

Trade name: Abbott mWash 1 DNA / mWash 1 DNA

Dizziness

(Continued from page 2)

5 Fire Fighting Measures

· Suitable extinguishing agents:

Dry chemical, carbon dioxide (CO₂), water spray or regular foam.

- Caution: CO₂ will displace air in confined spaces and may cause an oxygen-deficient atmosphere.
- For larger fires: There are no unique chemical or reactivity hazards that would impact firefighting decisions related to this product. Use firefighting measures that suit the environment.

· Special hazards arising from the substance or mixture

There are no unique chemical or reactivity hazards that would impact firefighting decisions due to the chemicals in this product.

No further relevant information available.

· Protective equipment:

For large fires, wear appropriate heat- and flame-resistant personal protective equipment and an approved positive-pressure, self-contained breathing apparatus.

6 Accidental Release Measures

· Personal precautions, protective equipment and emergency procedures

Minimize exposure by using appropriate personal protective equipment as listed in Section 8. Stop leak if possible. Keep unprotected persons away.

· Environmental precautions

Prevent liquid and vapor from entering sewage system, storm drains, surface waters, and soil.

· Methods and material for containment and cleaning up

Blot up small volumes of spilled or spattered product with paper towels or similar materials.

- Contain larger spills by placing absorbents around the outside edges of the spill. Absorb with any material suitable for water-based liquids - e.g. paper towels, universal sorbents, sand, diatomite, sawdust, etc.

Clean the affected area. Suitable cleaners are:

- warm water and detergent or similar cleansing agent

Dispose of spilled and contaminated material in accordance with Federal, State, and Local regulations. See Section 13 for information that may impact disposal of materials contaminated with this product.

· Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

7 Handling and Storage

· Handling

- **Precautions for safe handling:** Avoid inhalation.
- **Information about protection against explosions and fires:** No special measures required.

· Storage:

- **Requirements to be met by storerooms and containers:** Store only in the original container.
- **Information about storage in one common storage facility:** Store in original packaging.

(Continued on page 4)

AUS

Safety Data Sheet

according to WHS Regulations

© Abbott Laboratories

Release date 01.09.2019

Version number 9

Last alteration on 22.08.2019

Trade name: Abbott mWash 1 DNA / mWash 1 DNA

(Continued from page 3)

· **Further information about storage conditions:**

Refer to the package insert or product label for additional information on storage conditions for product quality.

8 Exposure controls and personal protection

· **Components with limit values that require monitoring at the workplace:**

The product does not contain any hazardous ingredients with occupational exposure limits.

· **Personal protective equipment:**

· **General protective and hygienic measures:**

Always maintain good housekeeping and follow general precautionary measures. Do not eat, drink or store food and beverages in areas where chemicals or specimens are used. Wash hands before breaks, after handling reagents and specimens, and at the end of the workshift.

· **Breathing equipment:**

Normal use and storage of product - respiratory protection is not necessary if room is well ventilated.

Small-volume spills (e.g. small enough to clean up with a paper towel or small sorbent pad) - respiratory protection should not be necessary if room is well ventilated.

Other unusual conditions (e.g. volume spilled too big to clean up with materials in arm's reach) - Use appropriate air-purifying respirator if airborne chemical concentrations may exceed the exposure limit (if any) listed above.

Hazardous Materials Emergencies or Firefighting - use approved respiratory protection.

Take precautions if chemical concentrations exceed the exposure limits (if any) listed above.

· **Protection of hands:**

Wear impervious gloves if hand contact with the material is anticipated. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices.

· **Material of gloves and breakthrough time of the glove material:**

The glove material must be suitable for use in a microbiological laboratory and have a measured breakthrough time of at least 30 minutes, such as those with a Class 2 protection index per EN374 (or equivalent standard applicable in your region). NOTE: This recommendation applies only to the product stated in this Safety Data Sheet. When dissolving in or mixing with other substances, contact the supplier of approved gloves.

· **Eye protection:**

Wear safety glasses or other protective eyewear. If splash potential exists, wear full face shield or goggles.

· **Body protection:**

Normal use: protect personal clothing from splatters and small spills. Wear a laboratory coat (or other protective clothing required by your institution). Larger spills (e.g. that can saturate cloth): wear appropriate water-repellant covering over clothing.

9 Physical and Chemical Properties

· **General Information**

· **Form:** Liquid
· **Colour:** Yellow

· **Odour:** Odourless

(Continued on page 5)

AUS



Abbott

Safety Data Sheet

according to WHS Regulations

© Abbott Laboratories

Release date 01.09.2019

Version number 9

Last alteration on 22.08.2019

Trade name: Abbott mWash 1 DNA / mWash 1 DNA

(Continued from page 4)

· pH-value at 20 °C:	7.8
· Melting point/freezing point:	Not determined
· Initial boiling point and boiling range:	Not determined
· Flash point:	Not applicable
· Inflammability (solid, gaseous):	Not applicable
· Auto igniting	Product is not self-igniting.
· Explosive properties:	Product does not present an explosion hazard.
· Explosion limits	
· Lower:	Not determined
· Upper:	Not determined
· Vapour pressure:	Not determined
· Density at 20 °C	1.135 g/cm ³
· Evaporation rate:	Not determined
· Solubility in / Miscibility with	
· Water:	Not miscible or difficult to mix
· Viscosity:	
· dynamic:	Not determined
· Water:	32.8 %
· Solids content:	0.0 %

10 Stability and Reactivity

- **Thermal decomposition / conditions to be avoided:**
No decomposition if used and stored according to specifications.
- **Possibility of hazardous reactions:** Reacts with strong acids and oxidizing agents.
- **Conditions to avoid:** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** Hydrogen cyanide (prussic acid)

11 Toxicological Information

- **Acute toxicity**
- **LD/LC50 values that are relevant for classification:**

· Ingredients (100% pure substance/s):		
CAS: 593-84-0 Guanidine thiocyanate		
Oral	LD50	475 mg/kg (rat) By analogy to Guanidine hydrochloride.
Dermal	LD50	>2,000 mg/kg (rabbit) By analogy to Guanidine hydrochloride.

(Continued on page 6)

Safety Data Sheet

according to WHS Regulations

© Abbott Laboratories Release date 01.09.2019

Version number 9

Last alteration on 22.08.2019

Trade name: Abbott mWash 1 DNA / mWash 1 DNA

(Continued from page 5)

	LD50 (ip)	300 mg/kg (mouse) By analogy to Guanidine hydrochloride.
	Target Organ Effects	(other) By analogy to Guanidine hydrochloride. Produced severe skin irritation in rabbits and mild to moderate eye irritation in animals. Thiocyanate dust may cause irritation of the mucous membranes and upper respiratory tract. Low doses of thiocyanates may cause headache, drowsiness, dizziness, narcosis, hypotension, visual hallucinations, confusion and cyanosis. Large doses may lead to psychotic episodes.
CAS: 1185-53-1 Tromethamine hydrochloride		
Oral	LD50	<1,000 mg/kg (rabbit) 1,780-5,900 mg/kg (rat)

- **Primary irritant effect:**
 - **Skin corrosion/irritation** No irritant effect.
 - **Serious eye damage/irritation** No irritant effect.
- **Sensitisation:** No sensitising effects known.

· **Additional toxicological information:** None

· **Target organs/systems:**

Kidneys
Gastrointestinal tract
Nervous system
Cardiovascular system

12 Ecological Information

- **Aquatic toxicity:** No further relevant information available.
- **Additional ecological information**
 - **General notes:**
Do not allow product to reach ground water, water course, or sewage system.
Harmful to aquatic organisms.
Refer to applicable local regulations for limit values of discharge into sewage system.
- **Results of PBT and vPvB assessment**
 - **PBT:** Not applicable
 - **vPvB:** Not applicable

13 Disposal considerations

- **Recommendation for disposal of unused product:**
Dispose in accordance with national, state and local regulations.

· **Uncleaned packagings**

For disposal of contaminated packaging, refer to applicable local regulations and institutional policies.

· **Recommendation for disposal of packaging:**

Non-contaminated packaging may be used for recycling. Refer to applicable local regulations and institutional policies.

For disposal of contaminated packaging, refer to applicable local regulations and institutional policies.

(Continued on page 7)

AUS

Trade name: Abbott mWash 1 DNA / mWash 1 DNA

(Continued from page 6)

· **Recommended cleaning agent:** Water with cleansing agents, if necessary.

14 Transport information

· UN-Number

· ADG, ADN, IMDG, IATA None

· UN proper shipping name

· ADG, ADN, IMDG, IATA None

· Transport hazard class(es)

· ADG, ADN, IMDG, IATA
· Class None

· Packing group

· ADG, IMDG, IATA None

· Environmental hazards

· Marine pollutant: No

· Transport/Additional information

· ADG
· Remarks: Not restricted for transportation.
· IMDG
· Remarks: Not restricted for transportation.
· IATA
· Remarks: Not restricted for transportation.

15 Regulatory information

· Australian Inventory of Chemical Substances

All ingredients are listed.

· Directive 2012/18/EU

· **Named dangerous substances - ANNEX I** None of the ingredients is listed.

16 Other information

The information and recommendations contained herein are based upon information or tests believed to be reliable. Abbott Laboratories does not guarantee the accuracy or completeness of this information or recommendations contained herein, NOR SHALL ANY OF THIS INFORMATION CONSTITUTE A WARRANTY, WHETHER EXPRESSED OR IMPLIED, AS TO THE SAFETY OF THE GOODS, THE MERCHANTABILITY OF THE GOODS, OR THE FITNESS OF THE GOODS FOR A PARTICULAR PURPOSE.

This information is not a substitute for the advice of a health care professional, nor is it a recommendation for any particular course of treatment. It is not intended to supplement, modify or supersede any information provided with respect to the medical use of the product. Abbott Laboratories assumes no responsibility for results obtained or for incidental or consequential damages, including lost profits, arising from the use of these data. No warranty against infringement of any patent, copyright or trademark is made or implied.

(Continued on page 8)

Safety Data Sheet

according to WHS Regulations

© Abbott Laboratories Release date 01.09.2019

Version number 9

Last alteration on 22.08.2019

Trade name: Abbott mWash 1 DNA / mWash 1 DNA

(Continued from page 7)

· Complete text for H (Hazard) codes displayed in Section 3:

Note: The respective H statements apply to the pure substances.

· Contact supplier

Tel. Abbott Molecular Customer Service: 1-800-553-7042

Abbott Australasia P/L (Diagnostics Division)

Emergency Contact number: 1800 816 696 and +61 2 9857 1111

· Abbreviations and acronyms:

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
ICAO: International Civil Aviation Organisation
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 Harmonised 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 (Division of the American Chemical Society)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: persistent, bioaccumulative and toxic
vPvB: very persistent and very bioaccumulative
Acute Tox. 4: Acute toxicity – Category 4
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Skin Corr. 3: Skin corrosion/irritation – Category 3
Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

· * Data compared to the previous version altered.

AUS

Safety Data Sheet

according to WHS Regulations

© Abbott Laboratories

Release date 01.09.2019

Version number 10

Last alteration on 22.08.2019

1 Identification

Product identifier

- Trade name: **Abbott mWash 2 DNA / mWash 2 DNA**
- Article number: MD203A GHS
- Application of the substance / the preparation: For In Vitro Diagnostic Use

Details of the supplier of the safety data sheet

- Supplier:
Abbott Australasia P/L (Diagnostics Division)
299 Lane Cove Road
Macquarie Park NSW 2113
Tel: +61 2 9857 1111
Abbott Australasia P/L (Molecular Division)
299 Lane Cove Road
Macquarie Park NSW 2113
Tel: +61 2 9857 1111
- Informing department: see Supplier
- Emergency telephone number
1800 816 696 and (+61 2 9857 1111)
Contact the CHEMTREC® Emergency Call Center for assistance with transportation or hazardous materials emergencies (24 hours/day, 7 days/week). Refer to Abbott customer number 675834.
- Telephone (800) 424-9300 (toll-free) if you are calling from within the United States, Canada, Puerto Rico and the Virgin Islands.
- Telephone +1 (703) 527-3887, the international and maritime number (collect calls accepted), if you are calling from outside the United States or from a ship at sea.

2 Hazard(s) Identification

Classification of the substance or mixture

- Classification according to Regulation (EC) No 1272/2008:
The product is not classified, according to the Globally Harmonised System (GHS).

Label elements

- GHS label elements None
 - Hazard pictograms: None
 - Signal word: None
 - Hazard statements: None
- Routes of Exposure:
 - Skin: No adverse effects expected when used as directed.
 - Eye: No adverse effects expected when used as directed.
 - Inhalation: No adverse effects expected when used as directed.
 - Ingestion: No adverse effects expected when used as directed.

3 Composition and Information on Ingredients

Chemical characterisation: Substances

- CAS No. Designation:
7732-18-5 water, distilled, conductivity or of similar purity

(Continued on page 2)

AUS

Safety Data Sheet

according to WHS Regulations

© Abbott Laboratories Release date 01.09.2019

Version number 10

Last alteration on 22.08.2019

Trade name: Abbott mWash 2 DNA / mWash 2 DNA

(Continued from page 1)

- **Identification number(s):**
 - **EC number:** 231-791-2
- **Dangerous components according to EC criteria:** None
- **Additional information:**
For the complete text of Hazard (H) codes displayed in this section, refer to Section 16.

4 First Aid Measures

- **After inhalation:**
Remove from source of exposure. If irritation or signs of toxicity occur, seek medical attention.
- **After skin contact:**
Take off any clothing that the product touched. Rinse skin with running water for 15 to 20 minutes. Seek medical attention if irritation or signs of toxicity occur.
- **After eye contact:**
Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention. Wash hands after handling.
- **After swallowing:** Rinse mouth with water. If irritation or signs of toxicity occur, seek medical attention.
- **Information for Medical Personnel:**
 - **Most important symptoms and effects, both acute and delayed:** None expected

5 Fire Fighting Measures

- **Suitable extinguishing agents:**
Dry chemical, carbon dioxide (CO₂), water spray or regular foam.
 - Caution: CO₂ will displace air in confined spaces and may cause an oxygen-deficient atmosphere.
 - For larger fires: There are no unique chemical or reactivity hazards that would impact firefighting decisions related to this product. Use firefighting measures that suit the environment.
- **Special hazards arising from the substance or mixture**
There are no unique chemical or reactivity hazards that would impact firefighting decisions due to the chemicals in this product.
No further relevant information available.
- **Protective equipment:**
For large fires, wear appropriate heat- and flame-resistant personal protective equipment and an approved positive-pressure, self-contained breathing apparatus.

6 Accidental Release Measures

- **Personal precautions, protective equipment and emergency procedures**
Minimize exposure by using appropriate personal protective equipment as listed in Section 8. Stop leak if possible. Keep unprotected persons away.
- **Environmental precautions**
Prevent liquid and vapor from entering sewage system, storm drains, surface waters, and soil.

(Continued on page 3)

AUS

Safety Data Sheet

according to WHS Regulations

© Abbott Laboratories

Release date 01.09.2019

Version number 10

Last alteration on 22.08.2019

Trade name: Abbott mWash 2 DNA / mWash 2 DNA

(Continued from page 2)

· **Methods and material for containment and cleaning up**

Blot up small volumes of spilled or spattered product with paper towels or similar materials.

- Contain larger spills by placing absorbants around the outside edges of the spill. Absorb with any material suitable for water-based liquids - e.g. paper towels, universal sorbents, sand, diatomite, sawdust, etc.

Clean the affected area. Suitable cleaners are:

- warm water and detergent or similar cleansing agent

Dispose of spilled and contaminated material in accordance with Federal, State, and Local regulations. See Section 13 for information that may impact disposal of materials contaminated with this product.

· **Reference to other sections**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

7 Handling and Storage

· **Handling**

· **Precautions for safe handling:**

Avoid direct contact with material. If handled, wash thoroughly. Practice general safety precautions.

· **Information about protection against explosions and fires:** No special measures required.

· **Storage:**

· **Requirements to be met by storerooms and containers:** Store only in the original container.

· **Information about storage in one common storage facility:** Store in original packaging.

· **Further information about storage conditions:**

Refer to the package insert or product label for additional information on storage conditions for product quality.

8 Exposure controls and personal protection

· **Components with limit values that require monitoring at the workplace:**

The product does not contain any hazardous ingredients with occupational exposure limits.

· **Personal protective equipment:**

· **General protective and hygienic measures:**

Always maintain good housekeeping and follow general precautionary measures. Do not eat, drink or store food and beverages in areas where chemicals or specimens are used. Wash hands before breaks, after handling reagents and specimens, and at the end of the workshift.

· **Breathing equipment:**

Normal use and storage of product - respiratory protection is not necessary if room is well ventilated.

Small-volume spills (e.g. small enough to clean up with a paper towel or small sorbent pad) - respiratory protection should not be necessary if room is well ventilated.

Other unusual conditions (e.g. volume spilled too big to clean up with materials in arm's reach) - Use appropriate air-purifying respirator if airborne chemical concentrations may exceed the exposure limit (if any) listed above.

Hazardous Materials Emergencies or Firefighting - use approved respiratory protection.

Take precautions if chemical concentrations exceed the exposure limits (if any) listed above.

(Continued on page 4)

Trade name: Abbott mWash 2 DNA / mWash 2 DNA

(Continued from page 3)

· Protection of hands:

Wear impervious gloves if hand contact with the material is anticipated. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices.

· Material of gloves and breakthrough time of the glove material:

The glove material must be suitable for use in a microbiological laboratory and have a measured breakthrough time of at least 30 minutes, such as those with a Class 2 protection index per EN374 (or equivalent standard applicable in your region). NOTE: This recommendation applies only to the product stated in this Safety Data Sheet. When dissolving in or mixing with other substances, contact the supplier of approved gloves.

· Eye protection:

Wear safety glasses or other protective eyewear. If splash potential exists, wear full face shield or goggles.

· Body protection:

Normal use: protect personal clothing from splatters and small spills. Wear a laboratory coat (or other protective clothing required by your institution). Larger spills (e.g. that can saturate cloth): wear appropriate water-repellant covering over clothing.

9 Physical and Chemical Properties

· General Information

- **Form:** Liquid
- **Colour:** Clear

- **Odour:** Odourless

- **pH-value at 20 °C:** 7
- **Melting point/freezing point:** 0 °C
- **Initial boiling point and boiling range:** Not determined

- **Flash point:** Not applicable
- **Inflammability (solid, gaseous):** Not applicable

- **Ignition temperature:** 0 °C
- **Auto igniting** Product is not self-igniting.

- **Explosive properties:** Product does not present an explosion hazard.
- **Lower:** 0.0 Vol %
- **Upper:** 0.0 Vol %

- **Vapour pressure:** Not determined

- **Density at 20 °C** 1 g/cm³
- **Evaporation rate:** Not determined

· Solubility in / Miscibility with

- **Water:** Fully miscible

· Viscosity:

- **dynamic:** Not determined

- **Water:** 100.0 %
- **Solids content:** 0.0 %

AUS

(Continued on page 5)

Trade name: Abbott mWash 2 DNA / mWash 2 DNA

(Continued from page 4)

10 Stability and Reactivity

- **Thermal decomposition / conditions to be avoided:**
No decomposition if used and stored according to specifications.
- **Possibility of hazardous reactions:** No dangerous reactions known.
- **Conditions to avoid:** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological Information

- **Acute toxicity**
 - **LD/LC50 values that are relevant for classification:**
 - **Ingredients (100% pure substance/s):** Not applicable.
 - **Primary irritant effect:**
 - **Skin corrosion/irritation** No irritant effect.
 - **Serious eye damage/irritation** No irritant effect.
 - **Sensitisation:** No sensitising effects known.
- **Additional toxicological information:** None
- **Target organs/systems:** Unknown

12 Ecological Information

- **Aquatic toxicity:** No further relevant information available.
- **Additional ecological information**
 - **General notes:** Generally not hazardous for water.
- **Results of PBT and vPvB assessment**
 - **PBT:** Not applicable
 - **vPvB:** Not applicable

13 Disposal considerations

- **Recommendation for disposal of unused product:**
Dispose in accordance with national, state and local regulations.
- **Uncleaned packagings**
For disposal of contaminated packaging, refer to applicable local regulations and institutional policies.
- **Recommendation for disposal of packaging:**
Non-contaminated packaging may be used for recycling. Refer to applicable local regulations and institutional policies.
For disposal of contaminated packaging, refer to applicable local regulations and institutional policies.

(Continued on page 6)

Trade name: Abbott mWash 2 DNA / mWash 2 DNA

(Continued from page 5)

· **Recommended cleaning agent:** Water with cleansing agents, if necessary.

14 Transport information

· UN-Number

· ADG, ADN, IMDG, IATA None

· UN proper shipping name

· ADG, ADN, IMDG, IATA None

· Transport hazard class(es)

· ADG, ADN, IMDG, IATA
· Class None

· Packing group

· ADG, IMDG, IATA None

· Environmental hazards

· Marine pollutant: No

· Transport/Additional information

· ADG
· Remarks: Not restricted for transportation.
· IMDG
· Remarks: Not restricted for transportation.
· IATA
· Remarks: Not restricted for transportation.

15 Regulatory information

· Australian Inventory of Chemical Substances

All ingredients are listed.

· Directive 2012/18/EU

· **Named dangerous substances - ANNEX I** None of the ingredients is listed.

16 Other information

The information and recommendations contained herein are based upon information or tests believed to be reliable. Abbott Laboratories does not guarantee the accuracy or completeness of this information or recommendations contained herein, NOR SHALL ANY OF THIS INFORMATION CONSTITUTE A WARRANTY, WHETHER EXPRESSED OR IMPLIED, AS TO THE SAFETY OF THE GOODS, THE MERCHANTABILITY OF THE GOODS, OR THE FITNESS OF THE GOODS FOR A PARTICULAR PURPOSE.

This information is not a substitute for the advice of a health care professional, nor is it a recommendation for any particular course of treatment. It is not intended to supplement, modify or supersede any information provided with respect to the medical use of the product. Abbott Laboratories assumes no responsibility for results obtained or for incidental or consequential damages, including lost profits, arising from the use of these data. No warranty against infringement of any patent, copyright or trademark is made or implied.

(Continued on page 7)

Safety Data Sheet

according to WHS Regulations

© Abbott Laboratories Release date 01.09.2019

Version number 10

Last alteration on 22.08.2019

Trade name: Abbott mWash 2 DNA / mWash 2 DNA

(Continued from page 6)

· Complete text for H (Hazard) codes displayed in Section 3:

Note: The respective H statements apply to the pure substances.

· Contact supplier

Tel. Abbott Molecular Customer Service: 1-800-553-7042

Abbott Australasia P/L (Diagnostics Division)

Emergency Contact number: 1800 816 696 and +61 2 9857 1111

· Abbreviations and acronyms:

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organisation

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 Harmonised 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 (Division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: persistent, bioaccumulative and toxic

vPvB: very persistent and very bioaccumulative

· * Data compared to the previous version altered.

AUS

Safety Data Sheet

according to WHS Regulations

© Abbott Laboratories Release date 01.09.2019

Version number 7

Last alteration on 22.08.2019

1 Identification

Product identifier

Trade name: **Abbott mElution Buffer DNA/ mElution Buffer DNA**

Article number: MD204A GHS

Application of the substance / the preparation: For In Vitro Diagnostic Use

Details of the supplier of the safety data sheet

Supplier:

Abbott Australasia P/L (Molecular Division)

299 Lane Cove Road

Macquarie Park NSW 2113

Tel: +61 2 9857 1111

Abbott Australasia P/L (Diagnostics Division)

299 Lane Cove Road

Macquarie Park NSW 2113

Tel: +61 2 9857 1111

Informing department: see Supplier

Emergency telephone number

Contact the CHEMTREC® Emergency Call Center for assistance with transportation or hazardous materials emergencies (24 hours/day, 7 days/week). Refer to Abbott customer number 675834.

- Telephone (800) 424-9300 (toll-free) if you are calling from within the United States, Canada, Puerto Rico and the Virgin Islands.

- Telephone +1 (703) 527-3887, the international and maritime number (collect calls accepted), if you are calling from outside the United States or from a ship at sea.

1800 816 696 and (+61 2 9857 1111)

2 Hazard(s) Identification

Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008:

The product is not classified, according to the Globally Harmonised System (GHS).

Label elements

GHS label elements None

Hazard pictograms: None

Signal word: None

Hazard statements: None

Routes of Exposure:

- Skin: No adverse effects expected when used as directed.

- Eye: No adverse effects expected when used as directed.

- Inhalation: No adverse effects expected when used as directed.

- Ingestion: No adverse effects expected when used as directed.

3 Composition and Information on Ingredients

Chemical characterisation: Substances

CAS No. Designation:

7732-18-5 water, distilled, conductivity or of similar purity

(Continued on page 2)

AUS

Safety Data Sheet

according to WHS Regulations

© Abbott Laboratories Release date 01.09.2019

Version number 7

Last alteration on 22.08.2019

Trade name: Abbott mElution Buffer DNA/ mElution Buffer DNA

(Continued from page 1)

- **Identification number(s):**
 - **EC number:** 231-791-2
- **Dangerous components according to EC criteria:** None
- **Additional information:**
For the complete text of Hazard (H) codes displayed in this section, refer to Section 16.

4 First Aid Measures

- **After inhalation:**
Remove from source of exposure. If irritation or signs of toxicity occur, seek medical attention.
- **After skin contact:**
Take off any clothing that the product touched. Rinse skin with running water for 15 to 20 minutes. Seek medical attention if irritation or signs of toxicity occur.
- **After eye contact:**
Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention. Wash hands after handling.
- **After swallowing:** Rinse mouth with water. If irritation or signs of toxicity occur, seek medical attention.
- **Information for Medical Personnel:**
 - **Most important symptoms and effects, both acute and delayed:** None expected

5 Fire Fighting Measures

- **Suitable extinguishing agents:**
Dry chemical, carbon dioxide (CO₂), water spray or regular foam.
 - Caution: CO₂ will displace air in confined spaces and may cause an oxygen-deficient atmosphere.
 - For larger fires: There are no unique chemical or reactivity hazards that would impact firefighting decisions related to this product. Use firefighting measures that suit the environment.
- **Special hazards arising from the substance or mixture**
There are no unique chemical or reactivity hazards that would impact firefighting decisions due to the chemicals in this product.
No further relevant information available.
- **Protective equipment:**
For large fires, wear appropriate heat- and flame-resistant personal protective equipment and an approved positive-pressure, self-contained breathing apparatus.

6 Accidental Release Measures

- **Personal precautions, protective equipment and emergency procedures**
Minimize exposure by using appropriate personal protective equipment as listed in Section 8. Stop leak if possible. Keep unprotected persons away.
- **Environmental precautions**
Prevent liquid and vapor from entering sewage system, storm drains, surface waters, and soil.

(Continued on page 3)

AUS

Safety Data Sheet

according to WHS Regulations

© Abbott Laboratories

Release date 01.09.2019

Version number 7

Last alteration on 22.08.2019

Trade name: Abbott mElution Buffer DNA/ mElution Buffer DNA

(Continued from page 2)

Methods and material for containment and cleaning up

Blot up small volumes of spilled or spattered product with paper towels or similar materials.

- Contain larger spills by placing absorbants around the outside edges of the spill. Absorb with any material suitable for water-based liquids - e.g. paper towels, universal sorbents, sand, diatomite, sawdust, etc.

Clean the affected area. Suitable cleaners are:

- warm water and detergent or similar cleansing agent

Dispose of spilled and contaminated material in accordance with Federal, State, and Local regulations. See Section 13 for information that may impact disposal of materials contaminated with this product.

Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

7 Handling and Storage

Handling

Precautions for safe handling:

Avoid direct contact with material. If handled, wash thoroughly. Practice general safety precautions.

- **Information about protection against explosions and fires:** No special measures required.

Storage:

- **Requirements to be met by storerooms and containers:** Store only in the original container.

- **Information about storage in one common storage facility:** Store in original packaging.

- **Further information about storage conditions:**

Refer to the package insert or product label for additional information on storage conditions for product quality.

8 Exposure controls and personal protection

Components with limit values that require monitoring at the workplace:

The product does not contain any hazardous ingredients with occupational exposure limits.

Personal protective equipment:

General protective and hygienic measures:

Always maintain good housekeeping and follow general precautionary measures. Do not eat, drink or store food and beverages in areas where chemicals or specimens are used. Wash hands before breaks, after handling reagents and specimens, and at the end of the workshift.

Breathing equipment:

Normal use and storage of product - respiratory protection is not necessary if room is well ventilated.

Small-volume spills (e.g. small enough to clean up with a paper towel or small sorbent pad) - respiratory protection should not be necessary if room is well ventilated.

Other unusual conditions (e.g. volume spilled too big to clean up with materials in arm's reach) - Use appropriate air-purifying respirator if airborne chemical concentrations may exceed the exposure limit (if any) listed above.

Hazardous Materials Emergencies or Firefighting - use approved respiratory protection.

Take precautions if chemical concentrations exceed the exposure limits (if any) listed above.

(Continued on page 4)

Safety Data Sheet

according to WHS Regulations

© Abbott Laboratories Release date 01.09.2019

Version number 7

Last alteration on 22.08.2019

Trade name: Abbott mElution Buffer DNA/ mElution Buffer DNA

(Continued from page 3)

Protection of hands:

Wear impervious gloves if hand contact with the material is anticipated. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices.

Material of gloves and breakthrough time of the glove material:

The glove material must be suitable for use in a microbiological laboratory and have a measured breakthrough time of at least 30 minutes, such as those with a Class 2 protection index per EN374 (or equivalent standard applicable in your region). NOTE: This recommendation applies only to the product stated in this Safety Data Sheet. When dissolving in or mixing with other substances, contact the supplier of approved gloves.

Eye protection:

Wear safety glasses or other protective eyewear. If splash potential exists, wear full face shield or goggles.

Body protection:

Normal use: protect personal clothing from splatters and small spills. Wear a laboratory coat (or other protective clothing required by your institution). Larger spills (e.g. that can saturate cloth): wear appropriate water-repellant covering over clothing.

9 Physical and Chemical Properties

General Information

- **Form:** Liquid
- **Colour:** Colourless

- **Odour:** Odourless

- **pH-value at 20 °C:** 7
- **Melting point/freezing point:** 0 °C
- **Initial boiling point and boiling range:** Not determined

- **Flash point:** Not applicable
- **Inflammability (solid, gaseous):** Not applicable
- **Auto igniting** Product is not self-igniting.

- **Explosive properties:** Product does not present an explosion hazard.

Explosion limits

- **Lower:** Not determined
- **Upper:** Not determined

- **Vapour pressure:** Not determined

- **Density at 20 °C** 1 g/cm³
- **Evaporation rate:** Not determined

Solubility in / Miscibility with

- **Water:** Fully miscible

Viscosity:

- **dynamic:** Not determined

- **Water:** 100.0 %
- **Solids content:** 0.0 %

AUS

(Continued on page 5)

Trade name: Abbott mElution Buffer DNA/ mElution Buffer DNA

(Continued from page 4)

10 Stability and Reactivity

- **Thermal decomposition / conditions to be avoided:**
No decomposition if used and stored according to specifications.
- **Possibility of hazardous reactions:** No dangerous reactions known.
- **Conditions to avoid:** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological Information

- **Acute toxicity**
 - **LD/LC50 values that are relevant for classification:**
 - **Ingredients (100% pure substance/s):** Not applicable.
 - **Primary irritant effect:**
 - **Skin corrosion/irritation** No irritant effect.
 - **Serious eye damage/irritation** No irritant effect.
 - **Sensitisation:** No sensitising effects known.
- **Additional toxicological information:** None
- **Target organs/systems:** Unknown

12 Ecological Information

- **Aquatic toxicity:** No further relevant information available.
- **Additional ecological information**
 - **General notes:** Generally not hazardous for water.
- **Results of PBT and vPvB assessment**
 - **PBT:** Not applicable
 - **vPvB:** Not applicable

13 Disposal considerations

- **Recommendation for disposal of unused product:**
Dispose in accordance with national, state and local regulations.
- **Uncleaned packagings**
For disposal of contaminated packaging, refer to applicable local regulations and institutional policies.
- **Recommendation for disposal of packaging:**
Non-contaminated packaging may be used for recycling. Refer to applicable local regulations and institutional policies.
For disposal of contaminated packaging, refer to applicable local regulations and institutional policies.

(Continued on page 6)

Safety Data Sheet

according to WHS Regulations

© Abbott Laboratories Release date 01.09.2019

Version number 7

Last alteration on 22.08.2019

Trade name: Abbott mElution Buffer DNA/ mElution Buffer DNA

(Continued from page 5)

· **Recommended cleaning agent:** Water with cleansing agents, if necessary.

14 Transport information

· UN-Number

· ADG, ADN, IMDG, IATA None

· UN proper shipping name

· ADG, ADN, IMDG, IATA None

· Transport hazard class(es)

· ADG, ADN, IMDG, IATA
· Class None

· Packing group

· ADG, IMDG, IATA None

· Environmental hazards

· Marine pollutant: No

· Transport/Additional information

· ADG
· Remarks: Not restricted for transportation.
· IMDG
· Remarks: Not restricted for transportation.
· IATA
· Remarks: Not restricted for transportation.

15 Regulatory information

· Australian Inventory of Chemical Substances

All ingredients are listed.

· Directive 2012/18/EU

· **Named dangerous substances - ANNEX I** None of the ingredients is listed.

16 Other information

The information and recommendations contained herein are based upon information or tests believed to be reliable. Abbott Laboratories does not guarantee the accuracy or completeness of this information or recommendations contained herein, NOR SHALL ANY OF THIS INFORMATION CONSTITUTE A WARRANTY, WHETHER EXPRESSED OR IMPLIED, AS TO THE SAFETY OF THE GOODS, THE MERCHANTABILITY OF THE GOODS, OR THE FITNESS OF THE GOODS FOR A PARTICULAR PURPOSE.

This information is not a substitute for the advice of a health care professional, nor is it a recommendation for any particular course of treatment. It is not intended to supplement, modify or supersede any information provided with respect to the medical use of the product. Abbott Laboratories assumes no responsibility for results obtained or for incidental or consequential damages, including lost profits, arising from the use of these data. No warranty against infringement of any patent, copyright or trademark is made or implied.

(Continued on page 7)

AUS

Safety Data Sheet

according to WHS Regulations

© Abbott Laboratories Release date 01.09.2019

Version number 7

Last alteration on 22.08.2019

Trade name: Abbott mElution Buffer DNA/ mElution Buffer DNA

(Continued from page 6)

· Complete text for H (Hazard) codes displayed in Section 3:

Note: The respective H statements apply to the pure substances.

· Contact supplier

Tel. Abbott Molecular Customer Service: 1-800-553-7042

Abbott Australasia P/L (Diagnostics Division)

Emergency Contact number: 1800 816 696 and +61 2 9857 1111

· Abbreviations and acronyms:

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organisation

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 Harmonised 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 (Division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: persistent, bioaccumulative and toxic

vPvB: very persistent and very bioaccumulative

· * Data compared to the previous version altered.

AUS

Safety Data Sheet

according to WHS Regulations

© Abbott Laboratories

Release date 01.09.2019

Version number 10

Last alteration on 22.08.2019

1 Identification

Product identifier

Trade name: **Abbott mMicroparticles DNA/ mMicroparticles DNA**

Article number: MD205A GHS

Application of the substance / the preparation: For In Vitro Diagnostic Use

Details of the supplier of the safety data sheet

Supplier:

Abbott Australasia P/L (Molecular Division)

299 Lane Cove Road

Macquarie Park NSW 2113

Tel: +61 2 9857 1111

Abbott Australasia P/L (Diagnostics Division)

299 Lane Cove Road

Macquarie Park NSW 2113

Tel: +61 2 9857 1111

Informing department: see Supplier

Emergency telephone number

Contact the CHEMTREC® Emergency Call Center for assistance with transportation or hazardous materials emergencies (24 hours/day, 7 days/week). Refer to Abbott customer number 675834.

- Telephone (800) 424-9300 (toll-free) if you are calling from within the United States, Canada, Puerto Rico and the Virgin Islands.

- Telephone +1 (703) 527-3887, the international and maritime number (collect calls accepted), if you are calling from outside the United States or from a ship at sea.

1800 816 696 and (+61 2 9857 1111)

2 Hazard(s) Identification

Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008:

Acute Tox. 4 H302 Harmful if swallowed.

Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2A H319 Causes serious eye irritation.

Label elements

GHS label elements

The product is classified and labelled according to the Globally Harmonised System (GHS).

Hazard pictograms:



Signal word: Warning

Hazard-determining components of labelling:

Guanadine hydrochloride

Hazard statements:

H302 Harmful if swallowed.

H315 Causes skin irritation.

(Continued on page 2)

AUS

Safety Data Sheet

according to WHS Regulations

© Abbott Laboratories

Release date 01.09.2019

Version number 10

Last alteration on 22.08.2019

Trade name: Abbott mMicroparticles DNA/ mMicroparticles DNA

H319 Causes serious eye irritation.

(Continued from page 1)

Precautionary statements:

- P264 Wash hands thoroughly after handling.
- P280 Wear protective gloves/protective clothing/eye protection.
- P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
- P330 Rinse mouth.
- P302+P352 IF ON SKIN: Wash with plenty of water.
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P332+P313 If skin irritation occurs: Get medical advice/attention.
- P362+P364 Take off contaminated clothing and wash it before reuse.
- P501 Dispose of contents / container in accordance with local regulations.

Routes of Exposure:

Skin
Eye

3 Composition and Information on Ingredients

Dangerous components according to EC criteria:

CAS: 50-01-1	Guanadine hydrochloride	Acute Tox. 4, H302; Skin Irrit. 2, H315; Eye Irrit. 2A, H319	59.23%
--------------	-------------------------	--	--------

Additional information:

For the complete text of Hazard (H) codes displayed in this section, refer to Section 16.

4 First Aid Measures

After inhalation:

Remove from source of exposure. If irritation or signs of toxicity occur, seek medical attention.

After skin contact:

Take off any clothing that the product touched. Rinse skin with running water for 15 to 20 minutes. Seek medical attention if irritation or signs of toxicity occur.

After eye contact:

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention. Wash hands after handling.

After swallowing:

Rinse mouth with water. If irritation or signs of toxicity occur, seek medical attention.

Information for Medical Personnel:

Most important symptoms and effects, both acute and delayed:

Skin irritation
Eye irritation

5 Fire Fighting Measures

Suitable extinguishing agents:

Dry chemical, carbon dioxide (CO₂), water spray or regular foam.

- Caution: CO₂ will displace air in confined spaces and may cause an oxygen-deficient atmosphere.

- For larger fires: There are no unique chemical or reactivity hazards that would impact firefighting decisions related to this product. Use firefighting measures that suit the environment.

(Continued on page 3)

AUS

Safety Data Sheet

according to WHS Regulations

© Abbott Laboratories

Release date 01.09.2019

Version number 10

Last alteration on 22.08.2019

Trade name: Abbott mMicroparticles DNA/ mMicroparticles DNA

(Continued from page 2)

· **Special hazards arising from the substance or mixture**

There are no unique chemical or reactivity hazards that would impact firefighting decisions due to the chemicals in this product.

No further relevant information available.

· **Protective equipment:**

For large fires, wear appropriate heat- and flame-resistant personal protective equipment and an approved positive-pressure, self-contained breathing apparatus.

6 Accidental Release Measures

· **Personal precautions, protective equipment and emergency procedures**

Minimize exposure by using appropriate personal protective equipment as listed in Section 8. Stop leak if possible. Keep unprotected persons away.

· **Environmental precautions**

Prevent liquid and vapor from entering sewage system, storm drains, surface waters, and soil.

· **Methods and material for containment and cleaning up**

Blot up small volumes of spilled or spattered product with paper towels or similar materials.

- Contain larger spills by placing absorbents around the outside edges of the spill. Absorb with any material suitable for water-based liquids - e.g. paper towels, universal sorbents, sand, diatomite, sawdust, etc.

Clean the affected area. Suitable cleaners are:

- warm water and detergent or similar cleansing agent

Dispose of spilled and contaminated material in accordance with Federal, State, and Local regulations. See Section 13 for information that may impact disposal of materials contaminated with this product.

· **Reference to other sections**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

7 Handling and Storage

· **Handling**

· **Precautions for safe handling:**

Avoid contact with skin.

Avoid contact with eyes.

· **Information about protection against explosions and fires:** No special measures required.

· **Storage:**

· **Requirements to be met by storerooms and containers:** Store only in the original container.

· **Information about storage in one common storage facility:** Store in original packaging.

· **Further information about storage conditions:**

Refer to the package insert or product label for additional information on storage conditions for product quality.

AUS

(Continued on page 4)

Safety Data Sheet

according to WHS Regulations

© Abbott Laboratories

Release date 01.09.2019

Version number 10

Last alteration on 22.08.2019

Trade name: Abbott mMicroparticles DNA/ mMicroparticles DNA

(Continued from page 3)

8 Exposure controls and personal protection

· Components with limit values that require monitoring at the workplace:

The product does not contain any hazardous ingredients with occupational exposure limits.

· Personal protective equipment:

· General protective and hygienic measures:

Always maintain good housekeeping and follow general precautionary measures. Do not eat, drink or store food and beverages in areas where chemicals or specimens are used. Wash hands before breaks, after handling reagents and specimens, and at the end of the workshift.

Avoid contact with the skin.

Avoid contact with the eyes.

· Breathing equipment:

Normal use and storage of product - respiratory protection is not necessary if room is well ventilated.

Small-volume spills (e.g. small enough to clean up with a paper towel or small sorbent pad) - respiratory protection should not be necessary if room is well ventilated.

Other unusual conditions (e.g. volume spilled too big to clean up with materials in arm's reach) - Use appropriate air-purifying respirator if airborne chemical concentrations may exceed the exposure limit (if any) listed above.

Hazardous Materials Emergencies or Firefighting - use approved respiratory protection.

Take precautions if chemical concentrations exceed the exposure limits (if any) listed above.

· Protection of hands:

Wear impervious gloves if hand contact with the material is anticipated. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices.

· Material of gloves and breakthrough time of the glove material:

The glove material must be suitable for use in a microbiological laboratory and have a measured breakthrough time of at least 30 minutes, such as those with a Class 2 protection index per EN374 (or equivalent standard applicable in your region). NOTE: This recommendation applies only to the product stated in this Safety Data Sheet. When dissolving in or mixing with other substances, contact the supplier of approved gloves.

· Eye protection:

Wear safety glasses or other protective eyewear. If splash potential exists, wear full face shield or goggles.

· Body protection:

Normal use: protect personal clothing from splatters and small spills. Wear a laboratory coat (or other protective clothing required by your institution). Larger spills (e.g. that can saturate cloth): wear appropriate water-repellant covering over clothing.

9 Physical and Chemical Properties

· General Information

· **Form:** Liquid
· **Colour:** Colourless

· **Odour:** Odourless

· **pH-value at 20 °C:** 5.4

(Continued on page 5)

AUS

Safety Data Sheet

according to WHS Regulations

© Abbott Laboratories

Release date 01.09.2019

Version number 10

Last alteration on 22.08.2019

Trade name: Abbott mMicroparticles DNA/ mMicroparticles DNA

(Continued from page 4)

· Melting point/freezing point:	Not determined
· Initial boiling point and boiling range:	Not determined
· Flash point:	Not applicable
· Inflammability (solid, gaseous):	Not applicable
· Ignition temperature:	0 °C
· Auto igniting	Product is not self-igniting.
· Explosive properties:	Product does not present an explosion hazard.
· Lower:	0.0 Vol %
· Upper:	0.0 Vol %
· Vapour pressure:	Not determined
· Density	Not determined
· Evaporation rate:	Not determined
· Solubility in / Miscibility with	
· Water:	Not miscible or difficult to mix
· Viscosity:	
· dynamic:	Not determined
· Water:	29.6 %
· Solids content:	0.0 %

10 Stability and Reactivity

- **Thermal decomposition / conditions to be avoided:**
No decomposition if used and stored according to specifications.
- **Possibility of hazardous reactions:** No dangerous reactions known.
- **Conditions to avoid:** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** Hydrogen chloride (HCl)

11 Toxicological Information

- **Acute toxicity**
- **LD/LC50 values that are relevant for classification:**

· Ingredients (100% pure substance/s):		
CAS: 50-01-1 Guanadine hydrochloride		
Oral	LD50	571 mg/kg (mouse) 475 mg/kg (rat)
Dermal	LD50	>2 gm/kg (rabbit)
Inhalation	LC50 4 h	5.319 mg/l (rat) (OECD Guideline 403)

(Continued on page 6)

AUS

Safety Data Sheet

according to WHS Regulations

© Abbott Laboratories Release date 01.09.2019

Version number 10

Last alteration on 22.08.2019

Trade name: Abbott mMicroparticles DNA/ mMicroparticles DNA

(Continued from page 5)

Skin irritation	Reported Effect	(rabbit) (Standard Draize Test (Skin)) 500 mg/24 hr
Eye irritation	Reported Effect	(other) (Standard Draize Test (Eye)) 81400 mcg

- **Primary irritant effect:**
 - **Skin corrosion/irritation** Irritating to skin and mucous membranes.
 - **Serious eye damage/irritation** Irritating.
- **Sensitisation:** No sensitising effects known.

· **Additional toxicological information:** None

· **Target organs/systems:**

Eye
Skin

12 Ecological Information

- **Aquatic toxicity:** No further relevant information available.

· **Additional ecological information**

· **General notes:**

Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.
Refer to applicable local regulations for limit values of discharge into sewage system.

· **Results of PBT and vPvB assessment**

- **PBT:** Not applicable
- **vPvB:** Not applicable

13 Disposal considerations

- **Recommendation for disposal of unused product:**
Dispose in accordance with national, state and local regulations.

· **Uncleaned packagings**

For disposal of contaminated packaging, refer to applicable local regulations and institutional policies.

· **Recommendation for disposal of packaging:**

Non-contaminated packaging may be used for recycling. Refer to applicable local regulations and institutional policies.

For disposal of contaminated packaging, refer to applicable local regulations and institutional policies.

- **Recommended cleaning agent:** Water with cleansing agents, if necessary.

14 Transport information

· **UN-Number**

- **ADG, ADN, IMDG, IATA** None

· **UN proper shipping name**

- **ADG, ADN, IMDG, IATA** None

(Continued on page 7)

Trade name: Abbott mMicroparticles DNA/ mMicroparticles DNA

(Continued from page 6)

· Transport hazard class(es)

- ADG, ADN, IMDG, IATA
- Class None

· Packing group

- ADG, IMDG, IATA None

· Environmental hazards

- Marine pollutant: No

· Transport/Additional information

- ADG
 - Remarks: Not restricted for transportation.
- IMDG
 - Remarks: Not restricted for transportation.
- IATA
 - Remarks: Not restricted for transportation.

15 Regulatory information

· Australian Inventory of Chemical Substances

All ingredients are listed.

· Directive 2012/18/EU

- Named dangerous substances - ANNEX I None of the ingredients is listed.

16 Other information

The information and recommendations contained herein are based upon information or tests believed to be reliable. Abbott Laboratories does not guarantee the accuracy or completeness of this information or recommendations contained herein, NOR SHALL ANY OF THIS INFORMATION CONSTITUTE A WARRANTY, WHETHER EXPRESSED OR IMPLIED, AS TO THE SAFETY OF THE GOODS, THE MERCHANTABILITY OF THE GOODS, OR THE FITNESS OF THE GOODS FOR A PARTICULAR PURPOSE.

This information is not a substitute for the advice of a health care professional, nor is it a recommendation for any particular course of treatment. It is not intended to supplement, modify or supersede any information provided with respect to the medical use of the product. Abbott Laboratories assumes no responsibility for results obtained or for incidental or consequential damages, including lost profits, arising from the use of these data. No warranty against infringement of any patent, copyright or trademark is made or implied.

- **Complete text for H (Hazard) codes displayed in Section 3:**
Note: The respective H statements apply to the pure substances.

· Contact supplier

Tel. Abbott Molecular Customer Service: 1-800-553-7042
Abbott Australasia P/L (Diagnostics Division)
Emergency Contact number: 1800 816 696 and +61 2 9857 1111

· Abbreviations and acronyms:

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
ICAO: International Civil Aviation Organisation
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

(Continued on page 8)

AUS



Abbott

Safety Data Sheet

according to WHS Regulations

© Abbott Laboratories

Release date 01.09.2019

Version number 10

Last alteration on 22.08.2019

Trade name: Abbott mMicroparticles DNA/ mMicroparticles DNA

(Continued from page 7)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised 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 (Division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: persistent, bioaccumulative and toxic

vPvB: very persistent and very bioaccumulative

Acute Tox. 4: Acute toxicity – Category 4

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A

· *** Data compared to the previous version altered.**

AUS