

Safety Data Sheet

Part I M-30D Diluent

Section 1: Identification

1.1. Product identifier

Product name: M-30D DILUENT

Product code: 105-005406-00 (20L), 105-005405-00 (5.5Lx2), 105-005410-00 (5.5L)

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

Intended use: For In Vitro Diagnostic Use. For more information, see instruction for use and labels.

1.3. Details of the supplier of the safety data sheet

Manufacturer: SHENZHEN MINDRAY BIO-MEDICAL ELECTRONICS CO., LTD.

Address: Mindray Building, Keji 12th Road South, High-Tech Industrial Park, Nanshan, Shenzhen, 518057, P. R. China.

Tel: +86 755 81888998 / Fax: +86 755 26582680

E-mail Address: service@mindray.com

1.4. Emergency telephone number

Emergency telephone No: +86 755 81888998 (Mon-Fri; 08:30-18:00 Beijing Time)
1-800-288-2121 (North America)

Section 2: Hazard(s) Identification

2.1. Emergency overview

Colorless, Clear, Liquid, Odorless. Nonflammable aqueous solution.

2.2. Product Hazard Classification

This product is belong to mixture.

US OSHA: Non-hazardous.

WHMIS: Non-hazardous

Regulation (EC) No 1272/2008: Non-hazardous

2.3. Regulatory status

While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.

This product does not contain any known carcinogens or potential carcinogens as listed by OSHA or the NTP.

This product is not dangerous under Regulation (EC) No 1272/2008 (CLP Regulation).

2.4. Label elements

Hazard pictograms: Not Applicable.

Signal word: Not Applicable.

Hazard statements: Not Applicable.

Precautionary statements: P501: Dispose of waste product, unused product, contaminated packaging in accordance with governmental requirements.

2.5. Other hazards

Potential health effects: See Section 11 for more information.

Potential environmental effects: See Section 12 for more information.

Section 3: Composition/Information on Ingredients

3.1. Substances

Not Applicable.

3.2. Mixtures

Name	CAS NO.	Concentration
Sodium chloride	7647-14-5	0.30-0.55%
Sodium sulfate anhydrous	7757-82-6	0.75-1.15%
Buffering agents	Not Applicable	0.10-0.30%
Anti-fungal and Anti-bacterial Agents	Not Applicable	0.08-0.25%

Section 4: First-Aid Measures

4.1. Description of first aid measures

Skin contact	No significant symptoms. If this chemical contacts the skin, flush the area of skin with plenty water. If clothing becomes wet or significantly contaminated, remove and replace clothing. Where there is evidence of skin irritation, get medical attention.
Eye contact	No significant symptoms. Immediately flush eye(s) with large volumes of water for at least 15 minutes, occasionally lifting the lower and upper lids(remove contact lenses if easily possible). Get medical attention immediately.

Ingestion If the product is ingested and you feel nausea, vomiting, abdominal pain and diarrhea, you should drink lots of water and seek medical advice immediately. Do not give anything by mouth to an unconscious person. Do not induce vomiting unless directed by medical personnel.

Inhalation The product is water based with slight volatilization, so there is a very small chance of inhalation. If the product is inhaled, move exposed individual to fresh air, and seek medical assistance immediately.

Medical treatment Show this safety data sheet to medical personnel. Give symptomatic treatment and supportive therapy.

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

Acute symptoms Not Applicable

Delayed symptoms Not Applicable

4.3. Indication of any immediate medical attention and special treatment needed
Not Applicable.

Section 5: Fire-Fighting Measures

5.1. Extinguishing media

Use fire extinguishing media appropriate for site conditions.

5.2. Special hazards arising from the substance or mixture

Not applicable.

5.3. Advice for firefighters

Fire fighters should wear an approved self-contained breathing apparatus and full protective clothing.

Section 6: Accidental Release Measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear gloves and laboratory coat. Prevent skin and eye contacting.

6.2. Environmental precautions

Keeping away from drains, surface and ground water and soil.

6.3. Methods and material for containment and cleaning up

Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Dispose it in accordance with governmental requirements.

6.4 Other information

US Regulations (CERCLA) requires reporting spills and releases to soil, water and air in excess of reportable quantities. The toll-free phone number for the US Coast Guard National Response Center is 1-800-424-8802.

6.5. Reference to other sections

See Sections 8 and 13 for more information.

Section 7: Handling and Storage

7.1. Precautions for safe handling

As with all chemicals, avoid getting this product ON YOU or IN YOU.

Wash hands thoroughly after handling this product. Do not eat, drink, smoke, or apply cosmetics while handling this product. Use in a well-ventilated location. Remove contaminated clothing immediately.

7.2. Conditions for safe storage, including any incompatibilities

All employees who handle this material should be trained to handle it safely.

Avoid contact with eyes, skin, and clothing. Empty containers should be completely drained and disposed of properly. Containers of this product must be properly labeled. Storage areas of this product should be clearly identified, well illuminated, clear of obstruction and accessible only to trained and authorized personnel. Store containers in a cool, dry location away from direct sunlight at temperatures between 2-30°C. Keep product away from freezing. Keep container tightly closed when not in use. Observe all warnings and precautions listed for this product.

7.3. Specific end use(s)

Not Applicable.

Section 8: Exposure Controls/Personal Protection

8.1. Control parameters

Exposure limits	OSHA: None established. ACGIH: None established.
Skin protection	Impervious gloves, such as Nitrile or equivalent, should be worn to prevent skin contact.
Eye protection	Safety glasses or chemical goggles should be worn to prevent eye contact.
Respiratory protection	Under normal conditions, the use of this product should not require respiratory protection. If overexposure

should occur and ventilation is not adequate to maintain airborne concentrations at acceptable levels, the use of respiratory protection should be evaluated by a qualified professional.

Environmental exposure controls	Prevent the product from entering drains and watercourses.
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8.2. Exposure controls

No special engineering controls are required. Use in well ventilated area. Keep away from foodstuffs, beverages and feed. Remove all soiled and contaminated clothing immediately. Wash hands before breaks and at the end of work.

Section 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance	Colourless liquid.
Odour	Odourless.
Odour threshold	Not applicable.
pH	7.05±0.20
Melting point/freezing point	0°C.
Initial boiling point and boiling range	Boiling point: 100°C; Boiling range: No information available.
Flash point (typical)	Not applicable.
Evaporation rate	Not applicable.
Flammability (solid, gas)	Not applicable. The product is water based, and not flammable or explosive.
Upper/lower flammability or explosive limits	Not applicable. The product is water based, and not flammable or explosive.
Vapour pressure	Not applicable.
Vapour density	Not applicable.
Relative density	1.000-1.023(Water: 1.000).
Solubility(ies)	Soluble in water.
Partition coefficient:	Not applicable.

n-octanol/water

Auto-ignition temperature	Not applicable. The product is water based, and not flammable or explosive.
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Decomposition temperature	Not applicable.
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Viscosity	No information available.
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Explosive properties	Not applicable. The product is water based, and not flammable or explosive.
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Oxidizing properties	Not applicable.
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9.2. Other information

No information available.

Section 10: Stability and Reactivity

10.1. Reactivity

Not applicable.

10.2. Chemical stability

This product is stable under conditions specified by instruction for use and labels.

10.3. Possibility of hazardous reactions

Not applicable.

10.4. Conditions to avoid

Avoid Frozen and high temperature(above 30°C). Keep away from sunlight.

10.5. Incompatible materials

Not applicable.

10.6. Hazardous decomposition products

When stored as labeled, no known hazardous decomposition products are formed during the shelf-life of this product.

Section 11: Toxicological Information

11.1. Information on toxicological effects

Toxicokinetics, metabolism and distribution	Not applicable.
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Acute toxicity	Not applicable.
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Skin corrosion/irritation	Not applicable.
Serious eye Damage/irritation	Not applicable.
Respiratory or skin Sensitisation	Not applicable.
Germ cell mutagenicity	Not applicable.
Carcinogenicity	Not applicable.
Reproductive toxicity	Not applicable.
STOT-single exposure	Not applicable.
STOT-repeated exposure	Not applicable.
Aspiration hazard	No further relevant information available.

Section 12: Ecological Information

12.1. Toxicity

Not applicable.

12.2. Persistence and degradability

Not applicable.

12.3. Bioaccumulative potential

Not applicable.

12.4. Mobility in soil

Not applicable.

12.5. Results of PBT and vPvB assessment

Not applicable.

12.6. Other adverse effects

Not applicable.

Section 13: Disposal Considerations

13.1. Waste treatment methods

Dispose of waste product, unused product and contaminated packaging in

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

Section 14: Transport Information

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

Not applicable.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

This product is not designated as a marine pollutant by the Department of Transportation.

14.6. Special precautions for user

See chapter 7 and chapter 8 for information.

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

Not applicable.

Section 15: Regulatory Information

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

US Federal Regulations:

TSCA: This product is not subject to TSCA.

SARA Title III: The components of this product are subject to the reporting requirements of Section 302, 304 and 313 of SARA Title III, and are listed as follows:

Chemical Name	SARA 302(40 CFR 355, Appendix A)	SARA 304(40 CFR Table 302.4)	SARA 313(40 CFR 372.65)
Sodium chloride	No	No	No
Sodium sulfate anhydrous	No	No	No
Buffering agents	No	No	No
Anti-fungal and	No	No	No

Anti-bacterial Agents			
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US CERCLA REPORTABLE QUANTITY(RQ): None

US SARA THRESHOLD PLANNING QUALITY: There is no specific Threshold Planning Quantity for the components of this product. The default Federal SDS submission and inventory requirement filling threshold of 10,000 lbs(4,540kg) therefore applies per 40 CFR 370.20.

OTHER US FEDERAL REGULATIONS: Not applicable.

CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT (PROPOSITION 65): This product and its components are not on the Proposition 65 lists.

Canada:

CANADIAN DSL/NDSL INVENTORY STATUS: The components of this product are on the DSL or NDSL Inventories.

Canadian Ingredient Disclosure List (limit 0.1%): None of the ingredients is listed.

Canadian Ingredient Disclosure List (limit 1%): None of the ingredients is listed.

GHS: Non-hazardous.

15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

Section 16: Other Information

Date of last revision(year/month/day): 2015/12/02 Replaces edition of 2.0

Information of this Safety Data Sheet represents the today's state of our knowledge. The purpose is to characterise the product regarding safety precautions having to be kept. This document will not be a certification of features and will not be the basis of a legal contract.

The primary changes in 3.0 as follows:

1. Delete the content about probe cleanser.

Part II M-30E E-Z CLEANSER& M-30R RINSE

Section 1: Identification

1.1. Product identifier

Product name: M-30E E-Z CLEANSER, M-30R RINSE

Product code: M-30R RINSE : 105-005399-00 (20L), 105-005400-00 (5.5Lx2),

105-005409-00(5.5L);

M-30E E-Z CLEANSER : A12-000045---(100mL)

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

Intended use: For In Vitro Diagnostic Use. For more information, see instruction for use and labels.

1.3. Details of the supplier of the safety data sheet

Manufacturer: SHENZHEN MINDRAY BIO-MEDICAL ELECTRONICS CO., LTD.

Address : Mindray Building, Keji 12th Road South, High-Tech Industrial Park, Nanshan, Shenzhen, 518057, P. R. China.

Tel: +86 755 81888998 / Fax: +86 755 26582680

E-mail Address: service@mindray.com

1.4. Emergency telephone number

Emergency telephone No: +86 755 81888998 (Mon-Fri; 08:30-18:00 Beijing Time)

1-800-288-2121(North America)

Section 2: Hazard(s) Identification

2.1. Emergency overview

Liquid, Odorless. Nonflammable aqueous solution.

2.2. Product Hazard Classification

This product is belong to mixture.

US OSHA: Non-hazardous.

WHMIS: Non-hazardous

Regulation (EC) No 1272/2008: Non-hazardous

2.3. Regulatory status

While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained

and available for employees and other users of this product.

This product does not contain any known carcinogens or potential carcinogens as listed by OSHA or the NTP.

This product is not dangerous under Regulation (EC) No 1272/2008 (CLP Regulation).

2.4. Label elements

Hazard pictograms: Not Applicable.

Signal word: Not Applicable.

Hazard statements: Not Applicable.

Precautionary statements: P501: Dispose of waste product, unused product, contaminated packaging in accordance with governmental requirements.

2.5. Other hazards

Potential health effects: See Section 11 for more information.

Potential environmental effects: See Section 12 for more information.

Section 3: Composition/Information on Ingredients

3.1. Substances

Not Applicable.

3.2. Mixtures

M-30E E-Z CLEANSER

Name	CAS NO.	Concentration
Proteolytic Enzyme	Not Applicable	0.30-1.00%
Surfactant	Not Applicable	0.03-0.15%
Sodium Chloride	7647-14-5	0.30-0.50%
Anti-fungal and anti-bacterial agents	Not Applicable	0.05-0.25%
Buffering agents	Not Applicable	0.10-0.40%

M-30R RINSE

Name	CAS NO.	Concentration
Sodium Sulfate Anhydrous	7757-82-6	0.30-0.55%
Sodium Chloride	7647-14-5	0.75-1.15%
Anti-fungal and anti-bacterial agents	Not Applicable	0.10-0.30%
Polyoxyethylene Ester	Not Applicable	0.03-0.15%

Section 4: First-Aid Measures

4.1. Description of first aid measures

Skin contact	No significant symptoms. If this chemical contacts the skin, flush the area of skin with plenty water. If clothing becomes wet or significantly contaminated, remove and replace clothing. Where there is evidence of skin irritation, get medical attention.
Eye contact	No significant symptoms. Immediately flush eye(s) with large volumes of water for at least 15 minutes, occasionally lifting the lower and upper lids(remove contact lenses if easily possible). Get medical attention immediately.
Ingestion	If the product is ingested and you feel nausea, vomiting, abdominal pain and diarrhea, you should drink lots of water and seek medical advice immediately. Do not give anything by mouth to an unconscious person. Do not induce vomiting unless directed by medical personnel.
Inhalation	The product is water based with slight volatilization, so there is a very small chance of inhalation. If the product is inhaled, move exposed individual to fresh air, and seek medical assistance immediately.
Medical treatment	Show this safety data sheet to medical personnel. Give symptomatic treatment and supportive therapy.

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

Acute symptoms	Not Applicable
Delayed symptoms	Not Applicable

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

Not Applicable.

Section 5: Fire-Fighting Measures

5.1. Extinguishing media

Use fire extinguishing media appropriate for site conditions.

5.2. Special hazards arising from the substance or mixture

Not applicable.

5.3. Advice for firefighters

Fire fighters should wear an approved self-contained breathing apparatus and full protective clothing.

Section 6: Accidental Release Measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear gloves and laboratory coat. Prevent skin and eye contacting.

6.2. Environmental precautions

Keeping away from drains, surface and ground water and soil.

6.3. Methods and material for containment and cleaning up

Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Dispose it in accordance with governmental requirements.

6.4 Other information

US Regulations (CERCLA) requires reporting spills and releases to soil, water and air in excess of reportable quantities. The toll-free phone number for the US Coast Guard National Response Center is 1-800-424-8802.

6.5. Reference to other sections

See Sections 8 and 13 for more information.

Section 7: Handling and Storage

7.1. Precautions for safe handling

As with all chemicals, avoid getting this product ON YOU or IN YOU.

Wash hands thoroughly after handling this product. Do not eat, drink, smoke, or apply cosmetics while handling this product. Use in a well-ventilated location. Remove contaminated clothing immediately.

7.2. Conditions for safe storage, including any incompatibilities

All employees who handle this material should be trained to handle it safely.

Avoid contact with eyes, skin, and clothing. Empty containers should be completely drained and disposed of properly. Containers of this product must be properly labeled. Storage areas of this product should be clearly identified, well illuminated, clear of obstruction and accessible only to trained and authorized personnel. Store containers in a cool, dry location away from direct sunlight at temperatures between 2-30°C. Keep product away from freezing. Keep container tightly closed when not in use. Observe all warnings and precautions listed for this product.

7.3. Specific end use(s)

Not Applicable.

Section 8: Exposure Controls/Personal Protection

8.1. Control parameters

Exposure limits	OSHA: None established. ACGIH: None established.
Skin protection	Impervious gloves, such as Nitrile or equivalent, should be worn to prevent skin contact.
Eye protection	Safety glasses or chemical goggles should be worn to prevent eye contact.
Respiratory protection	Under normal conditions, the use of this product should not require respiratory protection. If overexposure should occur and ventilation is not adequate to maintain airborne concentrations at acceptable levels, the use of respiratory protection should be evaluated by a qualified professional.
Environmental exposure controls	Prevent the product from entering drains and watercourses.

8.2. Exposure controls

No special engineering controls are required. Use in well ventilated area. Keep away from foodstuffs, beverages and feed. Remove all soiled and contaminated clothing immediately. Wash hands before breaks and at the end of work.

Section 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance	M-30E E-Z CLEANSER	Blue liquid.
	M-30R RINSE	Colourless liquid.
Odour	Odourless.	
Odour threshold	Not applicable.	
pH	M-30R RINSE	≥7.00
	M-30E E-Z CLEANSER	6.20 ± 0.50
Melting point/freezing point	0°C.	
Initial boiling point and boiling range	Boiling point: 100°C; Boiling range: No information available.	
Flash point (typical)	Not applicable.	

Evaporation rate	Not applicable.
Flammability (solid, gas)	Not applicable. The product is water based, and not flammable or explosive.
Upper/lower flammability or explosive limits	Not applicable. The product is water based, and not flammable or explosive.
Vapour pressure	Not applicable.
Vapour density	Not applicable.
Relative density	1.000-1.023(Water: 1.000).
Solubility(ies)	Soluble in water.
Partition coefficient: n-octanol/water	Not applicable.
Auto-ignition temperature	Not applicable. The product is water based, and not flammable or explosive.
Decomposition temperature	Not applicable.
Viscosity	No information available.
Explosive properties	Not applicable. The product is water based, and not flammable or explosive.
Oxidizing properties	Not applicable.

9.2. Other information

No information available.

Section 10: Stability and Reactivity

10.1. Reactivity

Not applicable.

10.2. Chemical stability

This product is stable under conditions specified by instruction for use and labels.

10.3. Possibility of hazardous reactions

Not applicable.

10.4. Conditions to avoid

Avoid Frozen and high temperature(above 30°C). Keep away from sunlight.

10.5. Incompatible materials

Not applicable.

10.6. Hazardous decomposition products

When stored as labeled, no known hazardous decomposition products are formed during the shelf-life of this product.

Section 11: Toxicological Information

11.1. Information on toxicological effects

Toxicokinetics, metabolism and distribution	Not applicable.
Acute toxicity	Not applicable.
Skin corrosion/irritation	Not applicable.
Serious eye Damage/irritation	Not applicable.
Respiratory or skin Sensitisation	Not applicable.
Germ cell mutagenicity	Not applicable.
Carcinogenicity	Not applicable.
Reproductive toxicity	Not applicable.
STOT-single exposure	Not applicable.
STOT-repeated exposure	Not applicable.
Aspiration hazard	No further relevant information available.

Section 12: Ecological Information

12.1. Toxicity

Not applicable.

12.2. Persistence and degradability

Not applicable.

12.3. Bioaccumulative potential

Not applicable.

12.4. Mobility in soil

Not applicable.

12.5. Results of PBT and vPvB assessment

Not applicable.

12.6. Other adverse effects

Not applicable.

Section 13: Disposal Considerations

13.1. Waste treatment methods

Dispose of waste product, unused product and contaminated packaging in accordance with local requirements. To ensure compliance we recommend that you contact the relevant(local) authorities and/or an approved waste-disposal company for information.

Section 14: Transport Information

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

Not applicable.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

This product is not designated as a marine pollutant by the Department of Transportation.

14.6. Special precautions for user

See chapter 7 and chapter 8 for information.

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

Not applicable.

Section 15: Regulatory Information

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

or mixture

US Federal Regulations:

TSCA: This product is not subject to TSCA.

SARA Title III: The components of this product are subject to the reporting requirements of Section 302, 304 and 313 of SARA Title III, and are listed as follows:

Chemical Name	SARA 302(40 CFR 355, Appendix A)	SARA 304(40 CFR Table 302.4)	SARA 313(40 CFR 372.65)
Proteolytic Enzyme	No	No	No
Surfactant	No	No	No
Sodium Chloride	No	No	No
Anti-fungal and anti-bacterial agents	No	No	No
Buffering agents	No	No	No
Sodium Sulfate Anhydrous	No	No	No
Polyoxyethylene Ester	No	No	No

US CERCLA REPORTABLE QUANTITY(RQ): None

US SARA THRESHOLD PLANNING QUALITY: There is no specific Threshold Planning Quantity for the components of this product. The default Federal SDS submission and inventory requirement filling threshold of 10,000 lbs(4,540kg) therefore applies per 40 CFR 370.20.

OTHER US FEDERAL REGULATIONS: Not applicable.

CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT (PROPOSITION 65): This product and its components are not on the Proposition 65 lists.

Canada:

CANADIAN DSL/NDSL INVENTORY STATUS: The components of this product are on the DSL or NDSL Inventories.

Canadian Ingredient Disclosure List (limit 0.1%): None of the ingredients is listed.

Canadian Ingredient Disclosure List (limit 1%): None of the ingredients is listed.

GHS: Non-hazardous.

15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

Section 16: Other Information

Date of last revision(year/month/day): 2015/12/02 Replaces edition of 2.0

Information of this Safety Data Sheet represents the today's state of our knowledge. The purpose is to characterise the product regarding safety precautions having to be kept. This document will not be a certification of features and will not be the basis of a legal contract.

The primary changes in 3.0 as follows:

1. Delete the content about probe cleanser.

Part III M-30CFL LYSE

Section 1: Identification

1.1. Product identifier

Product name: M-30CFL LYSE

Product code: 105-005407-00 (250mL), 105-005408-00 (500mL)

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

Intended use: For In Vitro Diagnostic Use. For more information, see instruction for use and labels.

1.3. Details of the supplier of the safety data sheet

Manufacturer: SHENZHEN MINDRAY BIO-MEDICAL ELECTRONICS CO., LTD.

Address: Mindray Building, Keji 12th Road South, High-Tech Industrial Park, Nanshan, Shenzhen, 518057, P. R. China.

Tel: +86 755 81888998 / Fax: +86 755 26582680

E-mail Address: service@mindray.com

1.4. Emergency telephone number

Emergency telephone No: +86 755 81888998 (Mon-Fri; 08:30-18:00 Beijing Time)
1-800-288-2121 (North America).

Section 2: Hazard(s) Identification

2.1. Emergency overview

Colorless, Clear, Liquid. Nonflammable aqueous solution.

2.2. Product Hazard Classification

This product is belong to mixture.

US OSHA: Non-hazardous.

WHMIS: Non-hazardous

Regulation (EC) No 1272/2008: Non-hazardous

2.3. Regulatory status

While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.

This product does not contain any known carcinogens or potential carcinogens as

listed by OSHA or the NTP.

This product is not dangerous under Regulation (EC) No 1272/2008 (CLP Regulation).

2.4. Label elements

Hazard pictograms: Not Applicable.

Signal word: Not Applicable.

Hazard statements: Not Applicable.

Precautionary statements: P501: Dispose of waste product, unused product, contaminated packaging in accordance with governmental requirements.

2.5. Other hazards

Potential health effects: See Section 11 for more information.

Potential environmental effects: See Section 12 for more information.

Section 3: Composition/Information on Ingredients

3.1. Substances

Not Applicable.

3.2. Mixtures

Name	CAS NO.	Concentration
Quaternary Ammonium Salts	Not Applicable	<5.00%
Nonionic Surfactant	Not Applicable	<1.50%
Isopropanol	67-63-0	0.01-0.15%
Ethanol	64-17-5	<0.15%

Section 4: First-Aid Measures

4.1. Description of first aid measures

Skin contact	If the product contact with your skin and your skin feel dryness or cracking, you should remove contaminated clothes, rinse and then wash skin with water and soap immediately.
Eye contact	If the product contact with your eyes and you feel pain, burning sensation and redness, you should rinse your eyes with plenty of water for several minutes (remove contact lenses if easily possible), then refer for medical attention.
Ingestion	If the product is ingested and you feel burning sensation, headache, confusion, dizziness, unconsciousness, abdominal pain, laboured breathing, nausea, and vomiting, you should rinse your mouth, have a rest (Do NOT induce vomiting) and refer for medical attention immediately.
Inhalation	This product is colourless liquid with slight odour. It may be

absorbed into the body by inhalation of its vapour, and this may cause effects on the central nervous system, result in depression. Exposure far above the OEL could cause unconsciousness. If this occur, people should rest in a fresh air place and refer for medical attention immediately.

Medical treatment	Show this safety data sheet to medical personnel. Give symptomatic treatment and supportive therapy.
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4.2. Most important symptoms and effects, both acute and delayed

Acute symptoms	Not Applicable
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Delayed symptoms	Not Applicable
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4.3. Indication of any immediate medical attention and special treatment needed
Not Applicable.

Section 5: Fire-Fighting Measures

5.1. Extinguishing media

Use fire extinguishing media appropriate for site conditions.

5.2. Special hazards arising from the substance or mixture

Not applicable.

5.3. Advice for firefighters

Fire fighters should wear an approved self-contained breathing apparatus and full protective clothing.

Section 6: Accidental Release Measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear gloves and laboratory coat. Prevent skin and eye contacting.

6.2. Environmental precautions

Keeping away from drains, surface and ground water and soil.

6.3. Methods and material for containment and cleaning up

Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Dispose it in accordance with governmental requirements.

6.4 Other information

US Regulations (CERCLA) requires reporting spills and releases to soil, water and air in excess of reportable quantities. The toll-free phone number for the US Coast Guard National Response Center is 1-800-424-8802.

6.5. Reference to other sections

See Sections 8 and 13 for more information.

Section 7: Handling and Storage

7.1. Precautions for safe handling

As with all chemicals, avoid getting this product ON YOU or IN YOU.

Wash hands thoroughly after handling this product. Do not eat, drink, smoke, or apply cosmetics while handling this product. Use in a well-ventilated location. Remove contaminated clothing immediately.

7.2. Conditions for safe storage, including any incompatibilities

All employees who handle this material should be trained to handle it safely.

Avoid contact with eyes, skin, and clothing. Empty containers should be completely drained and disposed of properly. Containers of this product must be properly labeled. Storage areas of this product should be clearly identified, well illuminated, clear of obstruction and accessible only to trained and authorized personnel. Store containers in a cool, dry location away from direct sunlight at temperatures between 2-30°C. Keep product away from freezing. Keep container tightly closed when not in use. Observe all warnings and precautions listed for this product.

7.3. Specific end use(s)

Not Applicable.

Section 8: Exposure Controls/Personal Protection

8.1. Control parameters

Exposure limits	<p>Isopropanol: OSHA-PELs TWA: 980 mg/m³ ACGIH-TLVs TWA: 200 ppm STEL: 400 ppm; Ethanol: OSHA-PELs TWA: 1900 mg/m³ ACGIH-TLVs STEL: 1000ppm.</p>
Skin protection	<p>Impervious gloves, such as Nitrile or equivalent, should be worn to prevent skin contact.</p>
Eye protection	<p>Safety glasses or chemical goggles should be worn to prevent eye contact.</p>
Respiratory protection	<p>Under normal conditions, the use of this product should not require respiratory protection. If overexposure should occur and ventilation is not adequate to</p>

maintain airborne concentrations at acceptable levels, the use of respiratory protection should be evaluated by a qualified professional.

Environmental exposure controls	Prevent the product from entering drains and watercourses.
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8.2. Exposure controls

No special engineering controls are required. Use in well ventilated area. Keep away from foodstuffs, beverages and feed. Remove all soiled and contaminated clothing immediately. Wash hands before breaks and at the end of work.

Section 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance	Colourless liquid.
Odour	Slight odour.
Odour threshold	Not applicable.
pH	7.80±0.20
Melting point/freezing point	0°C.
Initial boiling point and boiling range	Boiling point: 100°C; Boiling range: No information available.
Flash point (typical)	Not applicable.
Evaporation rate	Not applicable.
Flammability (solid, gas)	Not applicable. The product is water based, and not flammable or explosive.
Upper/lower flammability or explosive limits	Not applicable. The product is water based, and not flammable or explosive.
Vapour pressure	Not applicable.
Vapour density	Not applicable.
Relative density	1.00-1.25 (Water: 1.00).
Solubility(ies)	Soluble in water.
Partition coefficient: n-octanol/water	Not applicable.

Auto-ignition temperature	Not applicable. The product is water based, and not flammable or explosive.
Decomposition temperature	Not applicable.
Viscosity	No information available.
Explosive properties	Not applicable. The product is water based, and not flammable or explosive.
Oxidizing properties	Not applicable.

9.2. Other information

No information available.

Section 10: Stability and Reactivity

10.1. Reactivity

Not applicable.

10.2. Chemical stability

This product is stable under conditions specified by instruction for use and labels.

10.3. Possibility of hazardous reactions

Not applicable.

10.4. Conditions to avoid

Avoid Frozen and high temperature(above 30°C). Keep away from sunlight.

10.5. Incompatible materials

Not applicable.

10.6. Hazardous decomposition products

When stored as labeled, no known hazardous decomposition products are formed during the shelf-life of this product.

Section 11: Toxicological Information

11.1. Information on toxicological effects

Toxicokinetics,

metabolism and distribution Not applicable.

Acute toxicity Not applicable.

Skin Not applicable.

corrosion/irritation

Serious eye Damage/irritation Not applicable.

Respiratory or skin Sensitisation Not applicable.

Germ cell mutagenicity Not applicable.

Carcinogenicity Not applicable.

Reproductive toxicity Not applicable.

STOT-single exposure Not applicable.

STOT-repeated exposure Not applicable.

Aspiration hazard No further relevant information available.

Section 12: Ecological Information

12.1. Toxicity

Not applicable.

12.2. Persistence and degradability

Not applicable.

12.3. Bioaccumulative potential

Not applicable.

12.4. Mobility in soil

Not applicable.

12.5. Results of PBT and vPvB assessment

Not applicable.

12.6. Other adverse effects

Not applicable.

Section 13: Disposal Considerations

13.1. Waste treatment methods

Dispose of waste product, unused product and contaminated packaging in accordance with local requirements. To ensure compliance we recommend that you

contact the relevant(local) authorities and/or an approved waste-disposal company for information.

Section 14: Transport Information

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

Not applicable.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

This product is not designated as a marine pollutant by the Department of Transportation.

14.6. Special precautions for user

See chapter 7 and chapter 8 for information.

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

Not applicable.

Section 15: Regulatory Information

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

US Federal Regulations:

TSCA: This product is not subject to TSCA.

SARA Title III: The components of this product are subject to the reporting requirements of Section 302, 304 and 313 of SARA Title III, and are listed as follows:

Chemical Name	SARA 302(40 CFR 355, Appendix A)	SARA 304(40 CFR Table 302.4)	SARA 313(40 CFR 372.65)
Quaternary Ammonium Salts	No	No	No
Nonionic Surfactant	No	No	No
Isopropanol	No	No	No
Ethanol	No	No	No

US CERCLA REPORTABLE QUANTITY(RQ): None

US SARA THRESHOLD PLANNING QUALITY: There is no specific Threshold Planning Quantity for the components of this product. The default Federal SDS submission and inventory requirement filling threshold of 10,000 lbs(4,540kg) therefore applies per 40 CFR 370.20.

OTHER US FEDERAL REGULATIONS: Not applicable.

CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT (PROPOSITION 65): This product and its components are not on the Proposition 65 lists.

Canada:

CANADIAN DSL/NDSL INVENTORY STATUS: The components of this product are on the DSL or NDSL Inventories.

Canadian Ingredient Disclosure List (limit 0.1%): 64-17-5 Ethanol.

Canadian Ingredient Disclosure List (limit 1%): 67-63-0 Isopropanol.

GHS: Non-hazardous.

15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

Section 16: Other Information

Date of last revision(year/month/day): 2015/12/02 Replaces edition of 2.0

Information of this Safety Data Sheet represents the today's state of our knowledge. The purpose is to characterise the product regarding safety precautions having to be kept. This document will not be a certification of features and will not be the basis of a legal contract.

The primary changes in 3.0 as follows:

1. Delete the content about probe cleanser.