

Charm Sciences, Inc.

SAFETY DATA SHEET

In compliance with U.S. CFR 1910.1200 (d), OSHA Hazard communication, Hazard classification.

1. Identification

Product Name: DILUTION BUFFERS FOR CHARM® ROSA® TESTS

DILUTION BUFFERS FOR CHARM ROSA TESTS			
Product Name	Lot Code	Order Code	For ROSA Kit Order Codes
AFQ Dilution Buffer	ADQ-	BUF-ADQ	LF-AFQ-(ETOH, FAST, FAST5, WET®S3, WETS5)
Citrus Dilution Buffer	CDB-	BUF-CDB	LF-TET-CITRUS; LF-STREP-CITRUS
DONQ-FAST5 Dilution Buffer	ADQ-	BUF-ADQ	LF-DONQ-FAST5
DONQ-WETS5 Dilution Buffer	ADQ-	BUF-ADQ	LF-DONQ-WETS5
DONQ2 Dilution Buffer	ADQ-	BUF-ADQ	LF-DONQ2
Enrofloxacin Dilution Buffer	EDB-	LF-EDB	LF-ENRO-T
Enrofloxacin for Egg Buffer	EEB-	LF-EEB	LF-ENRO-E
FUM Dilution Buffer	ADQ-	BUF-FUMQ	LF-FUMQ-(ETOH, FAST5)
FUMQ-WETS5 Dilution Buffer	WET-DB-	BUF-WET	LF-FUMQ-WETS5
Goat Milk Dilution Buffer	GMDB-	LF-GMDB	LF-MRLBLTET (option)
Negative Control for QUAD3	GMDB-	LF-QUAD3-NC	LF-QUAD3 (option)
NEO-STREP Dilution Buffer	NSDB-, ADQ-	BUF-NEO	LF-NEO-STREP (option)
NSG Dilution Buffer	NSG-	BUF-NSG	LF-NEO-STREP-G (option)
OCHRAQ Dilution Buffer	ODB-	LF-ODB	LF-OCHRAQ-(G, W)
Ractopamine Dilution Buffer	ADQ-	BUF-ADQ	LF-RACTO-POF-
Sheep Milk Dilution Buffer	SMDB-	LF-SMDB	LF-MRLBLTET (option)
SLAFMQ Dilution Buffer	ADQ-	BUF-ADQ-X1	LF-SLAFMQ
SULF Urine Dilution Buffer	SUDB-	LF-SUDB	LF-SULF-U
SULF-MRL Dilution Buffer	SDB-, ADQ-	BUF-SDB	LF-SULFMRL
T2/HT2 Dilution Buffer	ADQ-	BUF-ADQ	LF-T2-HT2
TET Urine Dilution Buffer	TUDB-	LF-TUDB	LF-TETU
Tetracycline Dilution Buffer	ADQ-	BUF-TDB-	LF-TET-SL
ZEAR Dilution Buffer	ADQ-	BUF-ADQ	LF-ZEARQ-(ETOH, FAST5)
ZEARQ-WETS5 Dilution Buffer	WET-DB-	BUF-WET	LF-ZEARQ-WETS5

Manufacturer: Charm Sciences Inc.

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2. Hazards Identification

CLASSIFICATION (OSHA GHS): Not classified.

LABELLING (OSHA GHS):

Symbol: None.

Signal Word: None.



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Hazard Statement: None.
Precautionary Statement: None.

NFPA (National Fire Protection Association) RATING – Information provided for those trained in the NFPA system.

Health: 0
Flammability: 0
Instability: 0
Other: -

HEALTH EFFECTS OR RISKS FROM EXPOSURE:

Acute: Not Classified for Acute Effects or Risks.
Chronic: Not Classified for Chronic Effects or Risks.
Reproductive: Not Classified for Reproductive Effects.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: None identified.

3. Composition/ Information on Ingredients

PRODUCT LOT CODE:		ADQ- CDB- DDQ- NSDB- NSG- SDB- WET-DB-	EDB- EEB- TUDB-	ODB- SUDB-	GDMB- SMDB-
Chemical Name:	CAS #:	% in Bottle (NA = Not Applicable)			
5-Chloro-2-methyl-4-isothiazolein-3-one	26172-55-4	≤ 0.006%	NA	≤ 0.002%	≤ 0.0004%
2-Methyl-4-isothiazolin-3-one	2682-20-4	≤ 0.002%	NA	≤ 0.001%	≤ 0.0002%

These chemicals and the balance of other ingredients that total 100% in each product are not classified as hazardous, as defined in 29 CFR 1910.1200 (d), *OSHA Hazard communication, Hazard classification*.

4. First Aid Measures

SKIN: Wash with soap and water as a precaution. If irritation occurs and persists, seek medical attention.

EYE: Flush with plenty of water as a precaution. If irritation occurs and persists, seek medical attention.

INGESTION: Flush mouth with water as a precaution. If not feeling well, seek medical attention.

INHALATION: Move to fresh air. If respiratory irritation occurs and persists, seek medical attention.

5. Fire Fighting Measures

SUITABLE EXTINGUISHING MEDIA: Use extinguishing media appropriate for surrounding fire.

FIREFIGHTING PROCEDURES: Firefighters should wear proper protective equipment, and if necessary self-contained breathing apparatus.

HAZARDOUS COMBUSTION PRODUCTS: Carbon monoxide, carbon dioxide, nitrogen oxides, sulfur oxides, hydrogen chloride gas.

6. Accidental Release Measures

PERSONAL PRECAUTIONS: Lab coat, hand and eye protection are recommended.

ENVIRONMENTAL PRECAUTIONS: None anticipated.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP: Absorb any liquid spills with absorbent material and hold for waste disposal. Avoid raising aerosols. Wash spill site after material pickup is complete.

7. Handling and Storage

SAFE HANDLING PRECAUTIONS: Lab coat, goggles and chemical-resistant gloves are recommended. Avoid inhalation and contact with eyes, skin and clothing. Avoid prolonged or repeated exposure. Wash hands thoroughly after handling.

SAFE STORAGE CONDITIONS: Keep container tightly closed. Refer to appropriate Operator's Manual for more details.

8. Exposure Controls/ Personal Protection

ENGINEERING CONTROLS: None required.

EXPOSURE LIMITS: No data available.

PERSONAL PROTECTIVE EQUIPMENT -

CLOTHING: Labcoat recommended.

RESPIRATORY: Not applicable.

HAND: Safety gloves recommended.

EYE: Safety glasses recommended.

9. Physical and Chemical Properties

APPEARANCE: Clear (except cloudy for GMDB- and SMDB-), Pale Yellow to Colorless Liquid, Odorless.

pH: 6.9 – 9.5

Boiling Point and Range: Not available.

Melting / Freezing Point: Not available.

Vapor/ Relative Density: Not available.

Flash Point: Not available.

Evaporation Rate: Not available.

Flammability (solid, gas): Not applicable.

Upper/ Lower Flammability Limits: Not applicable.

Vapor Pressure: Not available.

Solubility: Not available.

Auto-ignition Temperature: Not applicable.

Decomposition Temperature: Not available.

10. Stability and Reactivity

CHEMICAL STABILITY: Stable.

CONDITIONS TO AVOID: Avoid moisture.

MATERIAL TO AVOID: Strong oxidizers.

HAZARDOUS REACTIONS/ DECOMPOSITION PRODUCTS: None identified.

11. Toxicological Information

ACUTE TOXICITY: No data available.

INHALATION: No data available.

SKIN CORROSION/ IRRITATION: No data available.

SERIOUS EYE DAMAGE/ EYE IRRITATION: No data available.

RESPIRATORY OR SKIN SENSITIZATION: No data available.

GERM CELL MUTAGENICITY: No data available.

CARCINOGENICITY: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC, as a carcinogen or potential carcinogen by ACGIH, as a known or anticipated carcinogen by NTP, or as a carcinogen or potential carcinogen by OSHA.

REPRODUCTIVE TOXICITY: No data available.

SPECIFIC TARGET ORGAN TOXICITY - single exposure (GHS): No data available.

SPECIFIC TARGET ORGAN TOXICITY - repeated exposure (GHS): No data available.

ASPIRATION HAZARD: No data available.

POTENTIAL HEALTH EFFECTS

Inhalation: Not classified for any inhalation effects.

Ingestion: Not classified for any oral effects.

Skin: Not classified for any skin effects.

Eye: Not classified for any eye effects.

12. Ecological Information

TOXICITY: No data available.

PERSISTENCE AND DEGRADABILITY: No data available.

BIOACCUMULATIVE POTENTIAL: No data available.

OTHER ADVERSE EFFECTS: No data available.

13. Disposal Considerations

PRODUCT: Unused product is considered non-hazardous waste according to Federal US EPA regulations (40 CFR 261). Dispose of unused product in accordance with your federal, state and local regulations.

PREPARATION: Used product mixed with methanol or ethanol solution is considered hazardous waste, and used product not mixed with any methanol or ethanol is considered non-hazardous waste, according to Federal US EPA regulations (40 CFR 261). Dispose of used product in accordance with federal, state and local regulations.

14. Transport Information

DOT / IMDG / IATA: Not considered hazardous or dangerous; Not regulated for transport by DOT, IMDG and IATA.

15. Regulatory Information

UNITED STATES REGULATORY INFORMATION:

TSCA: All components are listed or are exempt from being listed.

SARA 302 LIST: No components are subject to reporting requirements.

SARA 313 LIST: No components exceed the threshold reporting requirements.

UNITED STATES STATE REGULATORY INFORMATION:

CALIFORNIA PROPOSITION 65: No components are listed.

MASSACHUSETTS RIGHT TO KNOW: No components are subject to reporting requirements.

NEW JERSEY RIGHT TO KNOW: No components are subject to reporting requirements.

PENNSYLVANIA RIGHT TO KNOW: No components are subject to reporting requirements.

CANADA REGULATORY INFORMATION:

DSL Listed: All components are listed or are exempt from being listed.

16. Other Information

PREPARATION DATE: 25 FEB 2020

REVISION NUMBER: 021

The above information and recommendations are based upon information believed to be accurate, but does not imply to be all-inclusive and shall be used only as a guide. All materials may present unknown hazards and should be used with caution and discretion. Charm Sciences and its affiliates shall not be held liable for any injury or damage resulting from handling or from contact with the above product.

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