

MATERIAL SAFETY DATA SHEET

SciGene Wash Buffer 2 for Agilent CGH Arrays

Pub No.: M222

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: SciGene Wash Buffer 2 for Agilent CGH Arrays
PART NO: 5188-5222

MANUFACTURER: SciGene Corporation
 470 Lakeside Dr, Ste F
 Sunnyvale, CA 94085 USA

EMERGENCY PHONE: (408) 733-7337
 (800) 342-2119 U.S.

PRODUCT USE: Various

PREPARATION: A 4-Liter cubitainer of buffer solution.

VALIDATION DATE: 08/01/2011

SECTION 2: HAZARDS IDENTIFICATION

PHYSICAL STATE: Liquid

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

EMERGENCY OVERVIEW: Warning
NOT EXPECTED TO PRODUCE SIGNIFICANT ADVERSE HEALTH EFFECTS WHEN THE RECOMMENDED INSTRUCTIONS FOR USE ARE FOLLOWED.
 No known significant effects or critical hazards. Avoid prolonged contact with eyes, skin and clothing.

POTENTIAL ACUTE HEALTH EFFECTS:

Inhalation:	No known significant effects or critical hazards.
Ingestion:	No known significant effects or critical hazards.
Skin:	No known significant effects or critical hazards.
Eyes:	No known significant effects or critical hazards.

POTENTIAL CHRONIC HEALTH EFFECTS:

Chronic effects:	No known significant effects or critical hazards.
Carcinogenicity:	No known significant effects or critical hazards.
Mutagenicity:	No known significant effects or critical hazards.
Teratogenicity:	No known significant effects or critical hazards.
Developmental effects:	No known significant effects or critical hazards.
Fertility effects:	No known significant effects or critical hazards.

OVER-EXPOSURE SIGNS/SYMPTOMS

Medical conditions aggravated by over-exposure:	None known.
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See toxicological information (SECTION 11)

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

<u>Name:</u>	<u>CAS NO</u>	<u>%</u>
No hazardous ingredient		

There are no ingredients or additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

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SECTION 4: FIRST AID MEASURES

Eye contact: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if adverse health effects persist or are severe.

Skin contact: In case of contact, immediately flush skin with plenty of water.

Inhalation: If inhaled, remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention if adverse health effects persist or are severe.

Ingestion: Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention if adverse health effects persist or are severe.

Notes to physicians: No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

SECTION 5: FIRE-FIGHTING MEASURES

Flammability: Non-flammable.

Products of combustion: No specific data.

Extinguishing media

Suitable: Use an extinguishing agent suitable for the surrounding fire.

Special fire fighting procedures: As in any fire, Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in a positive pressure mode.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions: Avoid contact with skin, eyes and clothing. Use personal protective equipment. Ensure adequate ventilation.

Environmental precautions: Stop leak if without risk.

Methods for cleaning up small spill: Prevent further leakage or spillage, if safe to do so. Move containers from spill area. Dilute with water and mop up or absorb with an inert dry material and place in an appropriate waste disposal container.

SECTION 7: HANDLING AND STORAGE

Handling: Wash thoroughly after handling.

Storage: Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

No exposure limit value known.

Consult local authorities for acceptable exposure limits.

Recommended monitoring procedures: If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment.

Engineering measures: No special ventilation requirements. Good general ventilation should be sufficient to control worker exposure to airborne contaminants. If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.

Hygiene measures: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Personal protection

Eyes: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts.

Skin: Chemical resistant protective gloves and clothing are recommended. Individuals who are acutely and specifically sensitive to this chemical may require additional protective clothing.

Respiratory: Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Hands: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear, colorless

Physical state: Liquid

pH: [Basic]

Boiling/condensation point: Lowest known value: 100°C (212°F) (water)

Melting /freezing point: May start to solidify at the following temperature: 0°C (32°F). (water)

Solubility: Easily soluble in cold and hot water.

Odor: No information available.

Explosion limits: No information available.

Flash point: No information available.

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SECTION 10: STABILITY AND REACTIVITY

Stability and reactivity: The product is stable. Under normal conditions of storage and use, hazardous polymerization will not occur.

Incompatibility with various substances: Reactive or incompatible with the following materials: oxidizing materials, metals, alkalis, and reducing materials and acids.

Hazardous decomposition products: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: TOXICOLOGICAL INFORMATION

Acute toxicity: Irritating to eyes, skin and respiratory system.

Chronic toxicity: No information available.

Carcinogenicity: No information available.

Mutagenicity: No information available.

Teratogenicity: No information available.

Reproductive toxicity: No information available.

SECTION 12: ECOLOGICAL INFORMATION

Environmental effects: No known significant effects or critical hazards.

Aquatic ecotoxicity: No information available.

Biodegradability: No information available.

Other adverse effects: No known significant effects or critical hazards.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste disposal: Dispose of material in accordance with all Federal, State and Local regulations.

Refer to SECTION 7: HANDLING AND STORAGE and SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees.

SECTION 14: TRANSPORT INFORMATION

Regulatory information:
DOT / TDG / IMDG / IATA Not regulated.

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SECTION 15: REGULATORY INFORMATION

U.S. Federal Regulations: United States inventory (TSCA 8b): At least one component is not listed.
 SARA 302/304/311/312: No products were found.
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 SARA 311/312: No products were found.
 Clean Water Act (CWA) 307: No products were found.
 Clean Water Act (CWA) 311: No products were found.
 Clean Air Act (CAA) 112: No products were found.
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State Regulations:

- Connecticut Carcinogen Reporting: None of the components are listed.
- Connecticut Hazardous Material Survey: None of the components are listed.
- Florida substances: None of the components are listed.
- Illinois Chemical Safety Act: None of the components are listed.
- Illinois Toxic Substances Disclosure to Employee Act: None of the components are listed.
- Louisiana Reporting: None of the components are listed.
- Louisiana Spill: None of the components are listed.
- Massachusetts Spill: None of the components are listed.
- Massachusetts Substances: None of the components are listed.
- Michigan Critical Material: None of the components are listed.
- Minnesota Hazardous Substances: None of the components are listed.
- New Jersey Hazardous Substances: None of the components are listed.
- New Jersey Spill: None of the components are listed.
- New Jersey Toxic Catastrophe Prevention Act: None of the components are listed.
- New York Acutely Hazardous Substances: None of the components are listed.
- New York Toxic Chemical Release Reporting: None of the components are listed.
- Pennsylvania RTK Hazardous Substances: None of the components are listed.
- Rhode Island Hazardous Substances: None of the components are listed.

State regulations - California Prop. 65: No products were found.

International regulations

International lists:

- Australia inventory (AICS): All components are listed or exempted.
- China inventory (IECSC): All components are listed or exempted.
- Korea inventory (KECI): Not determined.
- Philippines inventory (PICCS): All components are listed or exempted.
- Japan inventory (ENCS): Not determined.

SECTION 16: OTHER INFORMATION

Label requirements: NOT EXPECTED TO PRODUCE SIGNIFICANT ADVERSE HEALTH EFFECTS WHEN THE RECOMMENDED INSTRUCTIONS FOR USE ARE FOLLOWED.

Date of issue: August 01, 2011

Date of previous issue: NONE

Version: 1.0

Notice to reader

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