



MATERIAL SAFETY DATA SHEET

MGB Alert® Probes

SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

| | | | | | |
|---|---|--|--|---|-------------|
| Product Identifier 800333 MGB Alert® BK Virus Probe ASR 800345 MGB Alert® CMV Q Probe ASR 800353 MGB Alert® CMV Probe ASR 800335 MGB Alert® EBV Probe ASR 800337 MGB Alert® Enterovirus Probe ASR 800349 MGB Alert® HSV Probe ASR 800355 MGB Alert® HSV 1 & 2 Probe ASR 800339 MGB Alert® HHV-6 Probe ASR 800307 MGB Alert® hMPV Probe ASR 800350 MGB Alert® N1 Probe ASR 800343 MGB Alert® N2 Probe ASR 800347 MGB Alert® N2-B Probe ASR 800309 MGB Alert® MS2 Probe ASR 800351 MGB Alert® MS2-E Probe ASR | | | | [WHMIS Classification] n/a | |
| Product Use Real-time PCR probe mix solution. | | | | | |
| Manufacturer's Name Nanogen, Inc. | | | Supplier's Name Nanogen, Inc. | | |
| Street Address 10398 Pacific Center Court | | | Street Address 10398 Pacific Center Court | | |
| City San Diego | | State CA | City San Diego | | State CA |
| Postal Code 92121 | Emergency Telephone (858) 410 4600 | | Postal Code 92121 | Emergency Telephone (858) 410 4600 | |
| Date MSDS Prepared November 14, 2008 | | MSDS Prepared By Nanogen Technical Services | | Phone Number (877) 626-6436 | |

SECTION 2 — COMPOSITION/INFORMATION ON INGREDIENTS

| Hazardous Ingredients (<i>specific</i>) | % | CAS Number | LD ₅₀ of Ingredient (<i>specify species and route</i>) | LC ₅₀ of Ingredient (<i>specify species</i>) |
|---|---|------------|--|--|
| n/a | | | | |
| | | | | |
| | | | | |
| | | | | |

[Emergency Overview]

Skin Contact
 Skin Absorption
 Eye Contact
 Inhalation
 Ingestion



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SECTION 3 — HAZARDS IDENTIFICATION

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| Route of Entry Inhalation, ingestion, skin contact, and/or eye contact. |
| WHMIS Symbols [Optional, not required under WHMIS] n/a |
| Potential Health Effects Skin Contact: May cause irritation to skin. Symptoms include redness, itching, and pain. Eye Contact: Causes irritation, redness, and pain. Inhalation: May cause irritation. Symptoms may include coughing, shortness of breath. Ingestion: May be harmful if swallowed. |

SECTION 4 — FIRST AID MEASURES

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| Skin Contact May cause irritation to skin. Symptoms include redness, itching, and pain. Wash area with water. |
| Eye Contact Causes irritation, redness, and pain. Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately. |
| Inhalation May cause irritation. Symptoms may include coughing, shortness of breath. Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention. |
| Ingestion May be harmful if swallowed. |

SECTION 5 — FIRE FIGHTING MEASURES

| | | |
|--|---|---|
| Flammable <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | If yes, under which conditions? n/a | |
| Means of Extinction n/a | | |
| Flashpoint (°C) and Method n/a | Upper Flammable Limit (% by volume) n/a | Lower Flammable Limit (% by volume) n/a |
| Autoignition Temperature (°C) n/a | Explosion Data — Sensitivity to Impact n/a | Explosion Data — Sensitivity to Static Discharge n/a |
| Hazardous Combustion Products None identified. | | |
| [NFPA] n/a | | |

SECTION 6 — ACCIDENTAL RELEASE MEASURES

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| Leak and Spill Procedures n/a |
|----------------------------------|

MGB Alert® Probes

SECTION 7 — HANDLING AND STORAGE

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| Handling Procedures and Equipment Protect against physical damage. |
| Storage Requirements Observe storage conditions, all warnings and precautions listed for the product. |

SECTION 8 — EXPOSURE CONTROL / PERSONAL PROTECTION

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|---|
| Exposure Limits <input type="checkbox"/> ACGIH TLV <input type="checkbox"/> OSHA PEL <input type="checkbox"/> Other (specify) |
| Specific Engineering Controls (such as ventilation, enclosed process) None. |
| Personal Protective Equipment <input checked="" type="checkbox"/> Gloves <input type="checkbox"/> Respirator <input checked="" type="checkbox"/> Eye <input type="checkbox"/> Footwear <input checked="" type="checkbox"/> Clothing <input type="checkbox"/> Other |
| If checked, please specify type Standard laboratory protective clothing: aprons or lab coats and gloves. Use chemical safety goggles. |

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

| | | |
|--------------------------|--|----------------------------------|
| Physical State Liquid | Odor and Appearance Oderless, purple | Odor Threshold (ppm) n/a |
| Specific Gravity n/a | Vapor Density (air = 1) n/a | Vapor Pressure (mmHg) n/a |
| Evaporation Rate n/a | Boiling Point (° C) n/a | Freezing Point (° C) n/a |
| pH n/a | Coefficient of Water/Oil Distribution n/a | [Solubility in Water] Soluble |

SECTION 10 — STABILITY AND REACTIVITY

| | |
|--|--|
| Chemical Stability <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | If no, under which conditions? Stable under ordinary conditions of use and storage. |
| Incompatibility with Other Substances <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | If yes, which ones? n/a |
| Reactivity and under what conditions? n/a | |
| Hazardous Decomposition Products n/a | |



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SECTION 11 — TOXICOLOGICAL INFORMATION

| | |
|---|------------------------------------|
| Effects of Acute Exposure None. | |
| Effects of chronic exposure None. | |
| Irritancy of Product None. | |
| Skin sensitization None. | Respiratory sensitization None. |
| Carcinogenicity-IARC None. | Carcinogenicity - ACGIH None. |
| Reproductive toxicity None. | Teratogenicity None. |
| Embryotoxicity None. | Mutagenicity None. |
| Name of synergistic products/effects None. | |

SECTION 12 — ECOLOGICAL INFORMATION

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| [Aquatic Toxicity] n/a |
|---------------------------|

SECTION 13 — DISPOSAL CONSIDERATIONS

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| Waste Disposal Dispose in accordance with federal, state and local requirements. |
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SECTION 14 — TRANSPORT INFORMATION

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|----------------|
| Not regulated. |
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SECTION 15 — REGULATORY INFORMATION

| | |
|---|---------------|
| Special Shipping Information n/a | |
| PIN n/a | |
| TGD n/a | [DOT] n/a |
| [IMO] n/a | [CAO] n/a |
| [WHIMSClassification] n/a | [OSHA] n/a |
| [SERA] n/a | [TSCA] n/a |
| <i>This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by CPR.</i> | |

SECTION 16 — OTHER INFORMATION

According to Title 29, US Code of Federal Regulations, Part 1910.1200 paragraph (g), only the hazardous chemicals found in a product in quantities of 1% or greater and/or 0.1% or greater if the chemical is a carcinogen are required to be listed in Material Safety Data Sheets (MSDS). MGB Alert[®] probes do not contain hazardous nor carcinogenic chemicals greater than these amounts.

Date of issue: 11/19/08

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