



# Material Safety Data Sheet

## 2X Stringent Wash

### 1. PRODUCT AND COMPANY IDENTIFICATION

|                                   |   |  |                          |
|-----------------------------------|---|--|--------------------------|
| <b>Product Name:</b>              | 2X Stringent Wash   |  |                          |
| <b>Synonyms/Generic Names:</b>    | None  |  |                          |
| <b>Product Use:</b>               | Laboratory use  |  |                          |
| <b>Manufacturer:</b>              | Roche NimbleGen, Inc.<br>500 S. Rosa Rd, Madison, WI 5371 |  |                          |
| <b>For More Information Call:</b> | 608-218-7600 x4<br>(Monday – Friday 8:00-4:30)            | <b>IN CASE OF EMERGENCY CALL:</b><br>(24 Hours/Day, 7 Days/Week) | CHEMTREC<br>800-424-9300 |

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

| Weight % | Component               | CAS #       | EINECS# / ELINCS# | EC Classification* |
|----------|-------------------------|-------------|-------------------|--------------------|
|          | Proprietary Ingredients | Proprietary | Proprietary       | Not Classified     |

\* Symbol and R phrase according to EC Annex1

### 3. HAZARDS IDENTIFICATION

Clear, colorless solution

**Routes of Entry:** Skin, ingestion.

**Ingredients found on carcinogen lists:**

| INGREDIENT NAME         | NTP STATUS | IARC STATUS | OSHA LIST  | ACGIH      |
|-------------------------|------------|-------------|------------|------------|
| Proprietary Ingredients | Not Listed | Not Listed  | Not Listed | Not Listed |

### 4. FIRST AID INFORMATION

**MAY BE HARMFUL IF SWALLOWED OR ABSORBED THROUGH SKIN IN LARGE QUANTITIES.**

**Inhalation:** May cause respiratory tract irritation. Inhalation may also cause rhinitis, sneezing, coughing. Move casualty to fresh air and keep at rest. Get medical attention if symptoms do not improve.

**Eyes:** Irritating to eyes. Causes eye irritation, lacrimation, redness, and pain, blurred vision and conjunctivitis. In case of eye contact, rinse with plenty of water and seek medical attention.

**Skin:** Irritating to skin. Causes skin irritation, reddening and itching, inflammation. Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing and wash using soap. Get medical attention if irritation persists or gets worse.

**Ingestion:** **Do Not Induce Vomiting!** Irritant. Causes gastrointestinal tract irritation, coughing, nausea, abdominal pain, vomiting, diarrhea. Wash out mouth with water and give 1-2 glasses of water or milk. Get medical attention immediately.

### 5. FIRE-FIGHTING MEASURES

#### NON-FLAMMABLE

|   |                |
|---|----------------|
| <b>Flash Point:</b>                         | Not Applicable |
| <b>Flash Point method:</b>                  | Not Applicable |
| <b>Autoignition Temperature:</b>            | Not Applicable |
| <b>Upper Flame Limit (volume % in air):</b> | Not Applicable |
| <b>Lower Flame Limit (volume % in air):</b> | Not Applicable |

**Extinguishing Media:** Use suitable material for surrounding fire.

**Special fire-fighting procedures:** Wear self-contained, approved breathing apparatus and full protective clothing, including eye protection and boots.

**Hazardous combustion products:** Emits toxic fumes under fire conditions. (See also Stability and Reactivity section).

**Unusual fire and explosion hazards:** None



## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:** See section 8 for recommendations on the use of personal protective equipment.

**Environmental precautions:** Cleanup personnel need personal protection from inhalation and skin/eye contact. Evacuate and ventilate the area.

Absorb spill with vermiculite or other inert absorbent material, then place in a suitable container for disposal. Clean surfaces thoroughly with water to remove residual contamination. Any release to the environment may be subject to federal/national or local reporting requirements.

Dispose of all waste or cleanup materials in accordance with local regulations. Containers, even when empty, will retain residue and vapors.

## 7. HANDLING AND STORAGE

**Normal handling:** See section 8 for recommendations on the use of personal protective equipment. Use with adequate ventilation. Wash thoroughly after using. Keep container closed when not in use.

**Storage:** Store in cool, dry well ventilated area. Keep away from incompatible materials (see section 10 for incompatibilities).

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Occupational exposure controls:** (consult local authorities for acceptable exposure limits)

| Chemical name           | Regulatory List | Value and type |
|-------------------------|-----------------|----------------|
| Proprietary Ingredients | UK OES          | Not Available  |
|                         | USA OSHA PEL    | Not Available  |
|                         | USA ACGIH       | Not Available  |
|                         | USA NIOSH       | Not Available  |
|                         | OSHA IDLH       | Not Available  |

TWA: Time Weighted Average over 8 hours of work.

TLV: Threshold Limit Value over 8 hours of work.

REL: Recommended Exposure Limit

STEL: Short Term Exposure Limit during x minutes.

IDLH: Immediately Dangerous to Life or Health

**Ventilation:** Provide local exhaust, preferably mechanical.

**Respiratory protection:** If necessary use an approved respirator with organic vapor cartridges.

**Eye protection:** Wear chemical safety glasses.

**Skin and body protection:** Wear nitrile or rubber gloves, apron and other protective clothing appropriate to the risk of exposure.

**Other Recommendations:** Provide eyewash stations, quick-drench showers and washing facilities accessible to areas of use and handling.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|  |                              |
|--|------------------------------|
| Appearance:                            | Clear, colorless liquid      |
| Physical state:                        | Liquid                       |
| Odor:                                  | None                         |
| Odor Threshold:                        | Not Available                |
| Specific Gravity:                      | 1.090                        |
| pH:                                    | Not Available                |
| Melting Point/Freezing Point:          | Not Available                |
| Boiling Point/Range:                   | Not Available                |
| Flammability:                          | Nonflammable (See section 5) |
| Flash point:                           | Nonflammable (See section 5) |
| Evaporation Rate (Butyl Acetate =1):   | Not Available                |
| Explosive Limits:                      | None (See section 5)         |
| Vapor Pressure (at 20°C):              | Not Available                |
| Vapor Density (air =1):                | Not Available                |
| Solubility:                            | Completely soluble in water  |
| Partition coefficient/n-octanol/water: | Not Available                |
| % Volatile:                            | Not Available                |
| Auto ignition Temperature:             | Nonflammable (See section 5) |

**Product Name: 2X Stringent Wash**

Created on 7/31/2008 4:16:00 PM, reformatted on 8/4/2008 11:24:00 AM

Page 2 of 5

## 10. STABILITY AND REACTIVITY

**Stability:** Stable

**Conditions to avoid:** Heat, incompatible materials.

**Incompatibility:** Strong oxidizers.

**Hazardous decomposition products:** Carbon oxides, sodium oxides, Sulfur oxides.

**Hazardous polymerization:** Will not occur.

## 11. TOXICOLOGICAL INFORMATION

**Acute Effects:** See section 4 for symptoms of exposure and effects. Likely routes of exposure are skin and ingestion.

Target organs: Not Available.

**Acute Toxicity Data:**

|                         |                                  |
|-------------------------|----------------------------------|
| Proprietary Ingredients | LD50 [oral, rat]; 3000 mg/kg     |
|                         | LC50 [rat]; Not Available        |
|                         | LD50 Dermal [rat]; Not Available |

**Chronic Effects:** Unknown.

**Teratogenicity:** Not Available

**Mutagenicity:** Not Available

**Embryotoxicity:** Not Available

**Synergistic Products/Effects:** Not Available

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity (aquatic and terrestrial):** Not Available

**Persistence and Degradability:** Not Available

**Bioaccumulative Potential:** Not Available

**Mobility in Soil:** Not Available

**Other Adverse Effects:** Not Available

## 13. DISPOSAL CONSIDERATIONS

**RCRA:** Hazardous waste? No      RCRA ID number: None

**Waste Residues:** Carefully cleanup per spill procedures in section 6. Users should review their operations in terms of the applicable federal/nation or local regulations and consult with appropriate regulatory agencies before disposing of waste material.

**Product containers:** Containers, if thoroughly cleaned, preferably by rinsing three times and handling the rinse water as waste residues, may be disposed of or recycled as non-hazardous waste. Users should review their operations in terms of the applicable federal/national or local regulations and consult with appropriate regulatory agencies before discharging or disposing of waste material.

The information offered in section 13 is for the product as shipped. Use and/or alterations to the product may significantly change the characteristics of the material and alter the waste classification and proper disposal methods.

## 14. TRANSPORTATION INFORMATION

**DOT:** Not regulated

**TDG:** Not regulated

**PIN:** Not Available

**IDMG:** Not regulated

**Marine Pollutant:** No

**IATA/ICAO:** Not regulated

**RID/ADR:** Not regulated

## 15. REGULATORY INFORMATION

**TSCA Inventory Status:** All ingredients are listed on the TSCA inventory.

**Federal and State Regulations:**

RTK hazardous substances: None

SARA 302/304/311/312 extremely hazardous substances: No

SARA 313 toxic chemical notification and release reporting: No

CERCLA: Hazardous Substances: No

**California Proposition 65:** No

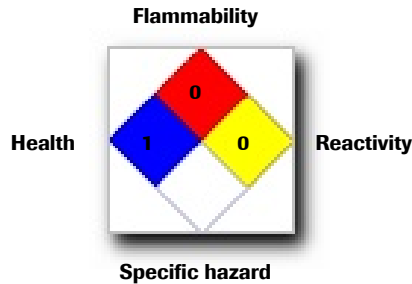
**WHMIS Canada:** Not regulated.

**DSCL (EEC):** Not regulated

**HMIS (U.S.A.)**

|               |   |
|---------------|---|
| Health Hazard | 1 |
| Fire Hazard   | 0 |
| Reactivity    | 0 |

**National Fire Protection Association (U.S.A.)**



**Protective Equipment:**



**ADR (Europe):**



**TDG (Canada):**



**DSCL (Europe):**



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## 16. OTHER INFORMATION

**Current Issue Date:** May 5, 2006  
**Previous Issue Date:** N/A  
**Prepared by:** Sherry Brock

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