FLINN SCIENTIFIC, INC. Material Safety Data Sheet (MSDS)

MSDS #: 400.00

Revision Date: October 6, 2011

SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Hydroquinone

Flinn Scientific, Inc. P.O. Box 219 Batavia, IL 60510 (800) 452-1261

CHEMTREC Emergency Phone Number: (800) 424-9300

SECTION 2 — COMPOSITION, INFORMATION ON INGREDIENTS

Hydroquinone

Synonym: p-Benzenediol; 1,4-Benzenediol

CAS#: 123-31-9

SECTION 3 — HAZARDS IDENTIFICATION

White crystals. Odorless.

Highly toxic by ingestion and inhalation. Corrosive to skin eyes and respiratory tract.

Avoid all body tissue contact. Combustible solid.

FLINN AT-A-GLANCE

Health-3

Flammability-1

Reactivity-1

Exposure-3

Storage-0

0 is low hazard, 3 is high hazard

SECTION 4 — FIRST AID MEASURES

Call a physician and seek medical attention for further treatment, observation, and support after first aid.

Inhalation: Remove to fresh air at once. If breathing has stopped, give artificial respiration immediately.

Eve or External: Immediately flush with fresh water for at least 15 minutes.

Internal: Do NOT induce vomiting. Rinse mouth. Give large quantities of water for dilution. If vomiting occurs, ensure vomit is not aspirated. Call a physician or poison control at once.

SECTION 5 — FIRE FIGHTING MEASURES

Combustible solid.

Flash point: 165 °C (CC), Autoignition Temperature: 516 °C

Decomposition releases acrid smoke and irritating fumes.

NFPA Code

H-2

F-1

Fire Fighting Instructions: Use a triclass, dry chemical fire extinguisher. Firefighters should wear PPE and

SCBA with full facepiece operated in positive pressure mode.

R-0

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Restrict unprotected personnel from the area. Sweep up the spill, place in a sealed bag or container, and dispose. Ventilate area and wash spill site after material pickup is complete. See Sections 8 and 13 for further information.

SECTION 7 — HANDLING AND STORAGE

Flinn Suggested Chemical Storage Pattern: Organic #8. Store with phenols and cresols.

Material is air and light sensitive. Keep container tightly closed. Store in a cool, dark, and dry place. Use and dispense in a hood.

SECTION 8 — EXPOSURE CONTROLS, PERSONAL PROTECTION

Avoid contact with eyes, skin, and clothing. Wear chemical splash goggles, chemical-resistant gloves, and a chemical-resistant apron. Use ventilation to keep airborne concentrations below exposure limits. Always wear a NIOSH-approved respirator with proper cartridges or a positive pressure, air-supplied respirator when handling this material in emergency situations (spill or fire). Exposure guidelines: PEL 2 mg/m³ (OSHA)

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SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

White, odorless crystals.

Solubility: Soluble in water and alcohol.

Formula: C_6H_4 -1,4-(OH)₂ Formula weight: 110.12 Boiling point: 286.2 °C

Melting point: 172-175 °C (decomposes)

Refractive index: 1.632 Specific gravity: 1.33 Not for human use.

SECTION 10 — STABILITY AND REACTIVITY

Avoid contact with strong oxidizing agents, strong bases, light, or air. Shelf life: Poor. Keep tightly closed and protected from light.

SECTION 11 — TOXICOLOGICAL INFORMATION

Acute effects: Toxic, irritant, possible sensitizer.

Chronic effects: N.A.

Target organs: Kidneys, eyes.

ORL-RAT LD₅₀: 302 mg/kg

IHL-RAT LC₅₀: N.A. SKN-RBT LD₅₀: N.A.

N.A. = Not available, not all health aspects of this substance have been fully investigated.

SECTION 12 — ECOLOGICAL INFORMATION

Data not yet available.

SECTION 13 — DISPOSAL CONSIDERATIONS

Please review all federal, state and local regulations that may apply, before proceeding. Flinn Suggested Disposal Method #18b is one option.

SECTION 14 — TRANSPORT INFORMATION

Shipping name: N/A Hazard class: N/A UN number: N/A N/A = Not applicable

SECTION 15 — REGULATORY INFORMATION

TSCA-listed, EINECS-listed (204-617-8).

SECTION 16 — OTHER INFORMATION

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Consult your copy of the *Flinn Science Catalog/Reference Manual* for additional information about laboratory chemicals.