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.
Eye 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.
Fire Fighting Instructions: Use a triclass, dry chemical fire extinguisher. Firefighters should wear PPE and SCBA with full facepiece operated in positive pressure mode.

NFPA CODE
H-2
F-1
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/m^3 (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 LD_{50}: 302 mg/kg
IHL-RAT LC_{50}: N.A.
SKN-RBT LD_{50}: 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.

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