

FLINN SCIENTIFIC, INC.

Material Safety Data Sheet (MSDS)

MSDS #: 751.00

Revision Date: September 28, 2011

SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Sodium Peroxide

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

Sodium Peroxide

Synonym: disodium dioxide

CAS#: 1313-60-6

SECTION 3 — HAZARDS IDENTIFICATION

Pale yellow granular powder. Odorless.

Moderately toxic by ingestion and inhalation. Corrosive to body tissues. Avoid all body tissue contact.

Serious fire/explosion risk.

FLINN AT-A-GLANCE

Health-2

Flammability-0

Reactivity-3

Exposure-2

Storage-2

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. Call a physician or poison control at once.

SECTION 5 — FIRE FIGHTING MEASURES

Noncombustible solid.

Strong oxidizer when in contact with water, alcohols, acids, powdered metals and organic materials.

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

NFPA CODE

H-3

F-0

R-1

OX

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Restrict unprotected personnel from area. Sweep up, place in 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: Inorganic #6. Store with bromates and chlorates.

Store in a cool, dry place. Store in a Flinn Chem-Saf bag and then inside a Flinn Saf-Stor can.

SECTION 8 — EXPOSURE CONTROLS, PERSONAL PROTECTION

Avoid contact with eyes, skin, and clothing. Wear chemical splash goggles, chemical-resistant gloves, and chemical-resistant apron. Use exhaust ventilation to keep airborne concentrations low.

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Pale yellow granular powder. Odorless.
Solubility: Cold water with evolution of much heat.
Formula: Na_2O_2
Formula weight: 77.979

Boiling point: 675 °C (decomposes)
Melting point: 460 °C (decomposes)
Specific gravity: 2.805

SECTION 10 — STABILITY AND REACTIVITY

Avoid contact with strong reducers, acids, organic materials, alcohols, finely powdered metals. Reacts violently with water.
Shelf life: Reasonably good, if stored safely.

SECTION 11 — TOXICOLOGICAL INFORMATION

Acute effects: Toxic, corrosive
Chronic effects: N.A.
Target organs: N.A.

ORL-RAT LD_{50} : N.A.
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 #22a is one option.

SECTION 14 — TRANSPORT INFORMATION

Shipping name: Sodium Peroxide
Hazard class: 5.1, Oxidizer
UN number: UN1504
N/A = Not applicable

SECTION 15 — REGULATORY INFORMATION

TSCA-listed, EINECS-listed (215-209-4), RCRA code D001, D003.

SECTION 16 — OTHER INFORMATION

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