

FLINN SCIENTIFIC, INC.

Safety Data Sheet (SDS)

SDS #: 232.70

Revision Date: September 22, 2014

SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

meta-Chloroperbenzoic Acid

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

CHEMTREC Emergency Phone Number: (800) 424-9300

Signal Word **DANGER**

Pictograms



SECTION 2 — HAZARDS IDENTIFICATION

Hazard class: Self-reactive substances and mixtures; and Organic peroxides (Types C, D, E, F). Heating may cause a fire (H242). Keep away from heat, sparks, open flames, and hot surfaces. No smoking (P210).

Hazard class: Oxidizing liquids; Oxidizing solids (Category 1). May cause fire or explosion; strong oxidizer (H271).

Hazard class: Skin corrosion or irritation (Category 2). Causes skin irritation (H315).

Hazard class: Sensitization, skin (Category 1). May cause an allergic skin reaction (H317). Avoid breathing dust or fumes (P261).

Hazard class: Serious eye damage/eye irritation (Category 2A). Causes serious eye irritation (H319).

Hazard class: Specific target organ toxicity, single exposure; respiratory tract irritation (Category 3). May cause respiratory irritation (H335).

SECTION 3 — COMPOSITION, INFORMATION ON INGREDIENTS

Component Name	CAS Number	Formula	Formula Weight	Concentration
meta-Chloroperbenzoic acid	937-14-4	C ₇ H ₅ ClO ₃	172.566	<78%
3-Chlorobenzoic acid	535-80-8	ClC ₆ H ₄ CO ₂ H	156.57	>5%
Water	7732-18-5	H ₂ O	18.01	>18%
Synonym: 3-Chloroperoxybenzoic acid; 3-Chloroperbenzoic acid; MCPBA				

SECTION 4 — FIRST AID MEASURES

Call a POISON CENTER or physician if you feel unwell (P312).

If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing (P304+P340). **If in eyes:** Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing (P305+P351+P338).

If eye irritation persists: Get medical advice or attention (P337+P313). **If on skin:** Wash with plenty of water (P302+P352). **If skin irritation or rash occurs:** Get medical advice or attention (P333+P313). Wash contaminated clothing before reuse (P363). **If swallowed:** Rinse mouth. Call a POISON CENTER or physician if you feel unwell.

SECTION 5 — FIRE FIGHTING MEASURES

Nonflammable, noncombustible solid.

When heated to decomposition, may emit toxic fumes.

In case of fire: Use tri-class dry chemical fire extinguisher (P370+P378).

NFPA CODE
None
established

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Do not allow solid to become airborne. Wipe up dust with a damp paper towel to avoid generating dust. Place in a sealed bag or container and dispose. 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 #1. Store with acids, anhydrides and peracids. Recommended storage temp 2-8 °C. Do not heat over 40 °C. Keep container tightly closed (P233). Keep and store away from clothing and combustible materials (P220). Keep only in original container (P234). Keep cool (P235). Use only in a hood or in a well-ventilated area (P271). Take any precautions to avoid mixing with combustibles (P221).

SECTION 8 — EXPOSURE CONTROLS, PERSONAL PROTECTION

Wear protective gloves, protective clothing, and eye protection (P280). Wash thoroughly after handling (P264). Use only in a hood or in a well-ventilated area (P271). Contaminated work clothing should not be allowed out of the workplace (P272).

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

White, moist powder. Odorless.
Insoluble in water.

Melting point: 69-71 °C (decomposes)

SECTION 10 — STABILITY AND REACTIVITY

Recommended storage temp 2-8 °C. Do not heat over 40 °C. Avoid heat, sunlight, ignition sources, and all organic, flammable and combustible materials. Reacts with strong oxidizing agents, strong bases, reducing agents, manganese/manganese oxides, acids and metals. Shelf life: Poor.

SECTION 11 — TOXICOLOGICAL INFORMATION

Acute effects: Skin, respiratory, and serious eye irritation. May cause allergic skin reaction. Readily absorbed through the skin.
Chronic effects: Sensitizer.
Target organs: Eyes, skin, respiratory tract.

ORL-RAT LD₅₀: N.A.
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 #22b is one option.

SECTION 14 — TRANSPORT INFORMATION

Shipping name: 3-Chlorobenzoic acid. Hazard class: 5.2. UN number: UN3106.

N/A = Not applicable

SECTION 15 — REGULATORY INFORMATION

Not listed.

SECTION 16 — OTHER INFORMATION

This Safety Data Sheet (SDS) is for guidance and is based upon information and tests believed to be reliable. Flinn Scientific, Inc. makes no guarantee of the accuracy or completeness of the data and shall not be liable for any damages relating thereto. The data is offered solely for your consideration, investigation, and verification. The data should not be confused with local, state, federal or insurance mandates, regulations, or requirements and CONSTITUTE NO WARRANTY. Any use of this data and information must be determined by the science instructor to be in accordance with applicable local, state or federal laws and regulations. The conditions or methods of handling, storage, use and disposal of the product(s) described are beyond the control of Flinn Scientific, Inc. and may be beyond our knowledge. FOR THIS AND OTHER REASONS, WE DO NOT ASSUME RESPONSIBILITY AND EXPRESSLY DISCLAIM LIABILITY FOR LOSS, DAMAGE OR EXPENSE ARISING OUT OF OR IN ANY WAY CONNECTED WITH THE HANDLING, STORAGE, USE OR DISPOSAL OF THIS PRODUCT(S).

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

Revision Date: September 22, 2014