

Approved by:

Zwady Duboney

5/19/2010

SECTION 1. PRODUCT IDENTIFICATION

Name: Cobalt Oxide [CoO]
Synonym: C.I. 77322, C.I. Pigment Black 13, Cobalt Black, Cobalt Monooxide, Cobaltous Oxide, Monocobalt Oxide
Manufacture: Shimadzu Corporation, Japan
Catalog #: 630-00998-00

Additional Information Contact: 800.477.1227
24 Hour Emergency Contact: 410-768-8155 (AIRPACK; 500 McCormick Dr.; Glen Burnie, MD 21061)

SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

CAS # 1307-96-6

SECTION 3. PRODUCT USE

Specifically for use as a catalyst in the SSM-5000 Series solid sample accessory for Shimadzu TOC analyzers. Consult the appropriate instrument manual for proper use.

SECTION 4. PHYSICAL DATA

Melting Point: N/A Boiling Point: N/A
Density: N/A Vapor Pressure: N/A
Solubility: N/A (in water), Phase: Solid
Soluble In Acids/Alkalis

SECTION 5. HAZARDS IDENTIFICATION**CAUTION! TOXIC**

Health Risk: High
Flammability: None
Reactivity: None
Contact Risk: Moderate
Storage Risk: General Storage

SECTION 6. TOXICITY DATA

ORL-Rat LD₅₀: 202 mg/kg
SCU-MUS LD₅₀: 125 mg/kg
RTECS #: GG2800000

The toxicological properties have not been thoroughly investigated.

Environmental Fate: Heavy metal can remain in the environment long term.
Environmental Toxicity: Very toxic – may cause long-term environmental damage.

SECTION 7. HEALTH HAZARD DATA**Acute effects:**

Harmful if swallowed, inhaled, or absorbed through skin. May cause irritation. May cause gastrointestinal pain, vomiting, flushing of face/ears, mild hypotension, rash, tinnitus, and nerve deafness.

Target organ(s): lungs, thyroid

Target organ data:

Behavioral (somnia), lungs, thorax or respiration (tumors), gastrointestinal (hypermotility, diarrhea), musculo-skeletal (tumors), nutritional and gross metabolic (weight loss or decreased weight gain)

Tumorigenic

Carcinogenic by RTECS criteria

Equivocal tumorigenic agent by RTECS criteria—Tumors at site of application

See actual entry in RTECS for complete information

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SECTION 8. FIRST-AID MEASURES

In case of contact with eyes, flush with copious amounts of water for *at least 15 minutes*. Assure adequate flushing by separating the eyelids with fingers. **GET MEDICAL ATTENTION.**

In case of skin contact, flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and wash thoroughly with soap and water before reuse.

If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen. **GET MEDICAL ATTENTION.**

If swallowed, **CALL POISEN CONTROL IMMEDIATELY.** Wash out mouth with water provided person is conscious. Give water or milk. **INDUCE VOMITING. GET MEDICAL ATTENTION.**

SECTION 9. FIRE FIGHTING MEASURES

Extinguishing Media: water spray, carbon dioxide, dry chemical powder or appropriate foam.

Special Firefighting Procedures: wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

SECTION 10. ACCIDENTAL RELEASE MEASURES

Wear respirator, chemical safety goggles, rubber boots and heavy rubber gloves.

Sweep up, place in a bag and hold for waste disposal. Avoid raising dust.

Ventilate area and wash spill site after material pickup is complete.

SECTION 11. STABILITY AND REACTIVITY

Stable.

Hazardous polymerization will *not* occur

SECTION 12. DISPOSAL

Dispose of container and unused contents in accordance with Federal, State, and Local requirements. State and Local disposal regulations may differ from Federal regulations and can be more stringent, but will never be less strict.

SECTION 13. OTHER INFORMATION

Transportation information: UN No 3288; Hazard class 6.1; Packing group III.

The information provided above is believed to be correct, but does not purport to be all inclusive and it must serve only as a guide. Shimadzu shall not be held liable for any damage resulting from handling or contact with the above product. Users should make their own determinations regarding the suitability of this information for their particular purposes