NAME USED ON LABEL: SILVER p-TOLUENESULFONATE - CXSV078

CHEMICAL NAME: SILVER p-TOLUENESULFONATE
SYNONYMS: SILVER TOSYLATE
CHEMICAL FAMILY: SILVER COMPOUND
FORMULA: C7H7O3SAg

HMIS CODES
HEALTH: 2  FLAMMABILITY: 1  REACTIVITY: 0

INGREDIENTS

IDENTITY  CAS NO.      % TLV  OSHA PEL
SILVER p-TOLUENESULFONATE  16386-95-6  >95  not established
(ACGIH TLV-TWA: 0.01mg/m³ as Ag)

PHYSICAL DATA

Boiling Point: NA
Specific Gravity: >1
Vapor Density: N/A
% volatiles: <3
Molecular Weight: 279.07
Appearance & Color: White to gray powder

FIRE & EXPLOSION DATA

Flash Point, COC: NA
Autoignition Temp.: NA
Flammability Limits- LEL: NA  UEL: NA

Extinguishing Media: Water spray, foam, carbon dioxide, dry chemical.
Special Fire Fighting Procedures: Avoid eye and skin contact. Do not breathe fumes or inhale vapors.
Unusual Fire and Explosion Hazards: Irritating fumes and organic acid vapors may develop when material is exposed to elevated temperatures or open flame.

-1-(CXSV078)
ENVIRONMENTAL INFORMATION

Spill response: Sweep material and transfer to a suitable container for disposal.

Recommended Disposal: Dispose of as solid waste. Follow all chemical pollution control regulations.

HEALTH HAZARD DATA

Eye Contact: Will cause immediate or delayed severe eye irritation.

Skin contact: May produce irritation or contact dermatitis. Prompt and thorough washing with soap and water will reduce or eliminate potential dermal effects.

Inhalation: Inhalation of dust or particulates may irritate the respiratory tract.

Oral Toxicity: not determined
Chronic Toxicity: The absorption of silver compounds into the circulation and subsequent deposition of reduced silver may result in the production of greyish pigmentation in the skin and mucous membranes, a condition known as argyria.

SUGGESTED FIRST AID

EYES: In case of contact, immediately flush eyes with flowing water for at least 15 minutes. Get medical attention.

SKIN: Flush with water, then wash with soap and water.

INHALATION: Move exposed individual to fresh air. Administer oxygen if needed. Call a physician.

INGESTION: Never give fluids or induce vomiting if patient is unconscious or having convulsions. Get medical attention.

REACTIVITY DATA

Stability: Stable at room temperature.
Conditions to avoid: Oxidizing agents, soluble carbonates and phosphates, sulfuric acid.
Hazardous decomposition products: Organic acid and organic vapors and silver oxide fumes.
SPECIAL PROTECTION INFORMATION

Ventilation: Local exhaust is required. Mechanical is recommended.
Respiratory Protection: If exposure exceeds TLV, NIOSH approved dust and mist respirator.
Eye and Face Protection: Chemical worker’s goggles. Do not wear contact lenses.
Other Clothing and Equipment: Rubber, neoprene or nitrile gloves. An eyewash and emergency shower should be available. Launder clothing before reuse.

OTHER PRECAUTIONS

For research and industrial use only.

Storage and Handling: Store in sealed containers.

TRANSPORTATION

DOT SHIPPING NAME: None required
DOT HAZARD CLASS: None required
DOT LABEL: None required
DOT ID No: None required

Prepared by safety and environmental affairs

ISSUE DATE CXSV078: 6/4/03
SUPERSEDES: none

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