

# MATERIAL SAFETY DATA SHEET

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## PRODUCT INFORMATION

PRODUCT NAME: CERIUM (III) ACETATE, SESQUIHYDRATE

Chemical Name: Cerium (III) Acetate, Sesquihydrate  
Formula:  $Ce(CH_3COO)_3 \cdot 1.5H_2O$   
Synonyms: Acetic acid, cerium (3+) salt, cerous acetate  
CAS #: 537-00-8 Chemical Family:

## HAZARDOUS INGREDIENTS

Materials or Components	%	Hazard Data
Cerium (III) Acetate		inv-hmn TDLo: 2 mg/Kg:CNS orl-rat LD <sub>50</sub> : > 5000 mg/Kg eye-rbt: 100 mg:SEV

## ECOLOGICAL INFORMATION

Materials or Components	%	Ecological Data
No Ecological data available		

## PHYSICAL PROPERTIES

Boiling Point/Range: See below	Melting Point: N/A
Freezing Point: N/A	Molecular Weight (Calc.): 344.28
Specific Gravity (H <sub>2</sub> O=1): 1 to 1.5	% Volatiles by Volume: N/A
Vapor Density (Air=1): N/A	
Solubility in H <sub>2</sub> O: 265 g/L @ 15 C	
Evaporation Rate: N/A	
Vapor Pressure (mm Hg): N/A	
Appearance & Odor: White crystalline solid, odorless	
Boiling Point/Range: Partial dehydration at 100 C; partial decomposition at 300 C	
pH ~4 (20g/L soln)	

## HMIS RATING

HMIS Rating: Health = 1 Fire = 0 Reactivity = 0 PPE = F

## FIRE and EXPLOSION DATA

Flash Point / Test Method: N/A  
Flammable limits -- Lower: N/A Upper: N/A  
Autoignition Temperature: N/A  
EXTINGUISHING MEDIA: