



---

## **CADMIUM ATOMIC ABSORPTION STANDARD**

### **MSDS Number**

BBHJJ

### **National Stock Number**

6850-00F000799

### **Product Name**

CADMIUM ATOMIC ABSORPTION STANDARD

### **Manufacturer**

MALLINCKRODT INC

### **Product Identification**

Product ID: CADMIUM ATOMIC ABSORPTION STANDARD

MSDS Date: 01/13/1988

FSC: 6850

NIIN: 00F000799

MSDS Number: BBHJJ

### **Responsible Party**

MALLINCKRODT INC

PARIS BYPASS

PARIS , KY 40361

US

Emergency Phone: 314-982-5000

Info Phone: 314-982-5000

Cage: 62910

### **Contractor**

MALLINCKRODT SPECIALTY CHEMICALS CO

PHILLIPSBURG, NJ 08865

US

908-859-2151

Cage: 62910

### **Ingredients**

CADMIUM (SARA III)

CAS: 7440-43-9

RTECS: EU9800000

Fraction By Weight: 0.1%

OSHA PEL 0.1MG/M3 FUME; 0.2 DUST

ACGIH TLV: 0.05 MG/M3 DUST; 9192

EPA Report Quantity: 10 LBS

DOT Report Quantity: 10 LBS

HYDROCHLORIC ACID, HYDROGEN CHLORIDE, MURIATIC ACID

CAS: 7647-01-0

RTECS: MW4025000

Fraction By Weight:



OSHA PEL5 PPM  
ACGIH TLV: C 11 MG/CUM  
EPA Report Quantity: 5000 LBS  
DOT Report Quantity: 5000 LBS

WATER  
CAS: 7732-18-5  
RTECS: ZC0110000  
Fraction By Weight: 99%

## Hazards

LD50 LC50 Mixture:ORAL LD50 (RAT): 225 MG/KG (CADMIUM)  
Routes of Entry: Inhalation:YES Skin:NO Ingestion:YES  
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO  
Health Hazards Acute and Chronic:INGESTION: GASTROINTESTINAL  
DISTURBANCES. EYES: IRRITATION. CADMIUM POISONING ARE PRINCIPALLY  
DETERIORATION OF KIDNEY & LIVER FUNCTIONS & POSSIBLY THE  
DEVELOPMENT OF KIDNEY STONES/OTHER EVIDENCE OF DI STRUBED CALCIUM  
METABOLISM.  
Explanation of Carcinogenicity:SEE INGREDIENTS  
Effects of Overexposure:SKIN: PAIN IN SENSITIVE/ABRADED AREAS.  
Medical Cond Aggravated by Exposure:SKIN DISORDERS, EYE PROBLEMS,  
IMPAIRED LIVER, KIDNEY, OR RESPIRATORY FUNCTION.

## First Aid

First Aid:INHULATION: REMOVE TO FRESH AIR. INGESTION: INDUCE VOMITING BY  
GIVING TWO GLASSES OF WATER/MILK. SKIN: WASH W/SOAP & WATER. EYES:  
FLUSH W/WATER FOR 15 MINS. OBTAIN MEDICAL ATTENTION IN ALL CASES.

## Fire Fighting

Extinguishing Media:NOT A FIRE HAZARD. SUITABLE FOR SURROUNDING FIRE.  
Fire Fighting Procedures:APPROPRIATE CLOTHING & EQUIP FOR SURROUNDING  
FIRE.  
Unusual Fire/Explosion Hazard:NOT AN EXPLOSION HAZARD.

## Accidental Release

Spill Release Procedures:COVER SPILL W/NEUTRALIZER & MIX. SCOOP, MOP,  
OR WET VACUUM AS APPROPRIATE. NEUTRALIZED WASTE MAY BE TRANSFERRED  
TO CLOSED METAL CONTAINER.  
Neutralizing Agent:SODIUM BICARBONATE, SODA ASH

## Handling

Handling and Storage Precautions:KEEP FROM FREEZING. STORE IN TIGHTLY  
CLOSED CONTAINER IN COOL, DRY, VENTILATED AREA. WEAR PROTECTIVE  
EQUIPMENT. PROTECT AGAINST PHYSICAL DAMAGE.  
Other Precautions:SHOWER & DISPOSE OF OUTER CLOTHING, CHANGE TO CLEAN  
GARMENTS AT END OF DAY. AVOID CROSS-CONTAMINATION OF STREET  
CLOTHES. AVOID CONTACT W/EYES/SKIN/CLOTHING. AVOID BREATHING MIST.

## Exposure Controls

Respiratory Protection:WEAR SUPPLIED AIR, FULL-FACEPIECE, AIRLINE HOOD,  
OR SCBA IF LEVELS ARE EXCEEDED.  
Ventilation:LOCAL (PREFERRED) OR GENERAL EXHAUST IS RECOMMENDED.  
Protective Gloves:REQUIRED  
Eye Protection:SAFETY GLASSES  
Other Protective Equipment:CLEAN BODY COVERING CLOTHING  
Work Hygienic Practices:WASH HANDS, FACE, FOREARMS, NECK AFTER EXPOSURE  
& BEFORE EATING, DRINKING, OR SMOKING.  
Supplemental Safety and Health

## Chemical Properties



Boiling Pt:B.P. Text: 212F  
Melt/Freeze Pt:M.P/F.P Text: 32F  
Vapor Pres:AS WATER  
Vapor Density:AS WATER  
Spec Gravity: 1.0  
Evaporation Rate & Reference:AS WATER  
Solubility in Water:MISCIBLE  
Appearance and Odor:CLEAR, COLORLESS LIQUID, SLIGHT ACIDIC ODOR

### **Stability**

Stability Indicator/Materials to Avoid:YES  
Stability Condition to Avoid:FREEZING

### **Disposal**

Waste Disposal Methods:DISPOSE I/A/W LOCAL, STATE & FEDERAL REGULATIONS.

Disclaimer (provided with this information by the compiling agencies):  
This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.