



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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# Cadmium chloride

sc-252533



The Power is Question

## Material Safety Data Sheet

Hazard Alert Code Key: **EXTREME** **HIGH** **MODERATE** **LOW**

## Section 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

### PRODUCT NAME

Cadmium chloride

### STATEMENT OF HAZARDOUS NATURE

CONSIDERED A HAZARDOUS SUBSTANCE ACCORDING TO OSHA 29 CFR 1910.1200.

### NFPA



### SUPPLIER

Santa Cruz Biotechnology, Inc.  
2145 Delaware Avenue  
Santa Cruz, California 95060  
800.457.3801 or 831.457.3800

### EMERGENCY

ChemWatch  
Within the US & Canada: 877-715-9305  
Outside the US & Canada: +800 2436 2255  
(1-800-CHEMCALL) or call +613 9573 3112

### SYNONYMS

CdCl<sub>2</sub>, Caddy, "cadmium dichloride", VI-CAD

## Section 2 - HAZARDS IDENTIFICATION

### CHEMWATCH HAZARD RATINGS

	Min	Max
Flammability:	0	
Toxicity:	4	
Body Contact:	2	
Reactivity:	0	
Chronic:	3	

Min/Nil=0  
Low=1  
Moderate=2  
High=3  
Extreme=4



### CANADIAN WHMIS SYMBOLS



### EMERGENCY OVERVIEW

## RISK

Harmful in contact with skin.

Toxic if swallowed.

Very toxic by inhalation.

May cause CANCER.

May cause heritable genetic damage.

May impair fertility.

May cause harm to the unborn child.

Toxic: danger of serious damage to health by prolonged exposure through inhalation and if swallowed.

Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

## POTENTIAL HEALTH EFFECTS

### ACUTE HEALTH EFFECTS

#### SWALLOWED

■ Toxic effects may result from the accidental ingestion of the material; animal experiments indicate that ingestion of less than 40 gram may be fatal or may produce serious damage to the health of the individual.

■ Ingestion of cadmium salts rarely results in poisoning as vomiting rejects the dose.

Ingestion may cause excessive salivation, nausea, persistent vomiting, diarrhea and abdominal pain.

■ fatal if swallowed unless immediate treatment is applied.

#### EYE

■ Although the material is not thought to be an irritant, direct contact with the eye may cause transient discomfort characterized by tearing or conjunctival redness (as with windburn).

Slight abrasive damage may also result.

#### SKIN

■ Skin contact with the material may be harmful; systemic effects may result following absorption.

■ The material is not thought to be a skin irritant (as classified using animal models).

Abrasive damage however, may result from prolonged exposures.

■ Reactions may not occur on exposure but response may be delayed with symptoms only appearing many hours later.

■ Open cuts, abraded or irritated skin should not be exposed to this material.

■ Entry into the blood-stream, through, for example, cuts, abrasions or lesions, may produce systemic injury with harmful effects.

Examine the skin prior to the use of the material and ensure that any external damage is suitably protected.

#### INHALED

■ Inhalation of dusts, generated by the material, during the course of normal handling, may produce severely toxic effects; these may be fatal.

■ The material is not thought to produce respiratory irritation (as classified using animal models).

Nevertheless inhalation of dusts, or fume, especially for prolonged periods, may produce respiratory discomfort and occasionally, distress.

■ Persons with impaired respiratory function, airway diseases and conditions such as emphysema or chronic bronchitis, may incur further disability if excessive concentrations of particulate are inhaled.

■ BE AWARE: Repeated minor exposures with only mild symptoms may have serious cumulative poisoning effect.

■ Cadmium is absorbed more from the respiratory tract than the intestinal tract.

Staging of symptoms include an initial, acute swelling of the lungs, followed by inflammation of the lungs after several days and chronic permanent scarring.

■ Inhalation of dusts, generated by the material, during the course of normal handling, may produce toxic effects.

### CHRONIC HEALTH EFFECTS

■ There is ample evidence that this material can be regarded as being able to cause cancer in humans based on experiments and other information.

Based on experiments and other information, there is ample evidence to presume that exposure to this material can cause genetic defects that can be inherited.

Ample evidence exists from experimentation that reduced human fertility is directly caused by exposure to the material.

Ample evidence exists, from results in experimentation, that developmental disorders are directly caused by human exposure to the material.

Limited evidence suggests that repeated or long-term occupational exposure may produce cumulative health effects involving organs or biochemical systems.

Long term exposure to high dust concentrations may cause changes in lung function i.e. pneumoconiosis; caused by particles less than 0.5 micron penetrating and remaining in the lung.

Chronic cadmium poisoning causes softening of the bones, reduced bone density, kidney stones and increased blood pressure. There may be cardiovascular disease and a yellow ring in the tooth structure.

## Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

NAME	CAS RN	%
cadmium chloride	10108-64-2	>95

## Section 4 - FIRST AID MEASURES

### SWALLOWED

· IF SWALLOWED, REFER FOR MEDICAL ATTENTION, WHERE POSSIBLE, WITHOUT DELAY. · Where Medical attention is not

immediately available or where the patient is more than 15 minutes from a hospital or unless instructed otherwise:

#### EYE

■ If this product comes in contact with the eyes: · Immediately hold eyelids apart and flush the eye continuously with running water. · Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelids by occasionally lifting the upper and lower lids.

#### SKIN

■ If skin contact occurs: · Immediately remove all contaminated clothing, including footwear · Flush skin and hair with running water (and soap if available).

#### INHALED

· If fumes or combustion products are inhaled remove from contaminated area. · Lay patient down. Keep warm and rested.

#### NOTES TO PHYSICIAN

· High acute exposure, to cadmium, produces delayed pulmonary edema progressing to interstitial fibrosis.  
· For acute inhalations, initial presentation simulates metal fume fever (fever, headache, dyspnea, pleuritic chest pain, conjunctivitis, rhinitis, sore throat, cough) developing 4-12 hours post-exposure. Respiratory failure may ensue in 3-10 days.

### Section 5 - FIRE FIGHTING MEASURES

Vapor Pressure (mmHg):	9.976 @ 656 C
Upper Explosive Limit (%):	Not applicable
Specific Gravity (water=1):	4.05 @ 25 C
Lower Explosive Limit (%):	Not applicable

#### EXTINGUISHING MEDIA

- Water spray or fog.
- Foam.

#### FIRE FIGHTING

- Alert Emergency Responders and tell them location and nature of hazard.
  - Wear full body protective clothing with breathing apparatus.
- When any large container (including road and rail tankers) is involved in a fire, consider evacuation by 800 metres in all directions.

#### GENERAL FIRE HAZARDS/HAZARDOUS COMBUSTIBLE PRODUCTS

- Non combustible.
  - Not considered to be a significant fire risk, however containers may burn.
- Decomposition may produce toxic fumes of: hydrogen chloride, metal oxides.  
May emit poisonous fumes.

#### FIRE INCOMPATIBILITY

- None known.

#### PERSONAL PROTECTION

- Glasses:  
Chemical goggles.
- Gloves:  
Respirator:  
Particulate

### Section 6 - ACCIDENTAL RELEASE MEASURES

#### MINOR SPILLS

- Clean up waste regularly and abnormal spills immediately.
- Avoid breathing dust and contact with skin and eyes.
- Wear protective clothing, gloves, safety glasses and dust respirator.
- Use dry clean up procedures and avoid generating dust.
- Vacuum up or sweep up. NOTE: Vacuum cleaner must be fitted with an exhaust micro filter (HEPA type) (consider explosion-proof machines designed to be grounded during storage and use).
- Dampen with water to prevent dusting before sweeping.
- Place in suitable containers for disposal.

#### MAJOR SPILLS

- Clear area of personnel and move upwind.
- Alert Emergency Responders and tell them location and nature of hazard.
- DO NOT touch the spill material.

### Section 7 - HANDLING AND STORAGE

#### PROCEDURE FOR HANDLING

- Avoid all personal contact, including inhalation.
- Wear protective clothing when risk of exposure occurs.

#### RECOMMENDED STORAGE METHODS

■ Glass container.

- Lined metal can, Lined metal pail/drum
- Plastic pail.

For low viscosity materials

- Drums and jerricans must be of the non-removable head type.
- Where a can is to be used as an inner package, the can must have a screwed enclosure.

**STORAGE REQUIREMENTS**

- Store in original containers.
- Keep containers securely sealed.

**Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION**

**EXPOSURE CONTROLS**

Source	Material	TWA ppm	TWA mg/m <sup>3</sup>	STEL ppm	STEL mg/m <sup>3</sup>	Peak ppm	Peak mg/m <sup>3</sup>	TWA F/CC	Notes
US OSHA Permissible Exposure Levels (PELs) - Table Z2	cadmium chloride (Cadmium dust (b) (Z37.5–1970))		0.2				0.6		
US ACGIH Threshold Limit Values (TLV)	cadmium chloride (Cadmium - Metal & compounds (as Cd))		0.01						TLV Basis: kidney damage
US ACGIH Threshold Limit Values (TLV)	cadmium chloride (Cadmium - Metal & compounds (as Cd))		0.002						TLV Basis: kidney damage
Canada - Prince Edward Island Occupational Exposure Limits	cadmium chloride (Cadmium - Metal & compounds (as Cd))		0.002						TLV Basis: kidney damage
Canada - Quebec Permissible Exposure Values for Airborne Contaminants (English)	cadmium chloride (Cadmium elemental and compounds (as Cd))		0.025						
US OSHA Permissible Exposure Levels (PELs) - Table Z2	cadmium chloride (Cadmium fume (b) (Z37.5–1970))		0.1				0.3		
US - Vermont Permissible Exposure Limits Table Z-1-A Final Rule Limits for Air Contaminants	cadmium chloride (Cadmium dust (as Cd))		0.2				0.6		
Canada - British Columbia Occupational Exposure Limits	cadmium chloride (Cadmium and compounds, as Cd)		0.01						A2, 1
Canada - British Columbia Occupational Exposure Limits	cadmium chloride (Cadmium and compounds, Respirable, as Cd)		0.002						A2, 1
Canada - Saskatchewan Occupational Health and Safety Regulations - Contamination Limits	cadmium chloride (Cadmium, and compounds, (as Cd): (respirable fraction++))		0.002		0.006				T20

US - Hawaii Air Contaminant Limits	cadmium chloride (Cadmium fume (as Cd))			0.05	
Canada - Yukon Permissible Concentrations for Airborne Contaminant Substances	cadmium chloride (Cadmium, dust and salts (as Cd))	0.05	-	0.15	
US - Washington Permissible exposure limits of air contaminants	cadmium chloride (Cadmium dust and salts (as Cd) (see WAC 296-62-074 and 296-155-174))	0.005			
Canada - Saskatchewan Occupational Health and Safety Regulations - Contamination Limits	cadmium chloride (Cadmium, and compounds, (as Cd): (total fraction))	0.01		0.03	T20
Canada - Nova Scotia Occupational Exposure Limits	cadmium chloride (Cadmium - Metal & compounds (as Cd))	0.01			TLV Basis: kidney damage
Canada - Nova Scotia Occupational Exposure Limits	cadmium chloride (Cadmium - Metal & compounds (as Cd))	0.002			TLV Basis: kidney damage
Canada - Prince Edward Island Occupational Exposure Limits	cadmium chloride (Cadmium - Metal & compounds (as Cd))	0.01			TLV Basis: kidney damage
US - Hawaii Air Contaminant Limits	cadmium chloride (Cadmium dust (as Cd))	0.05		0.2	
Canada - Northwest Territories Occupational Exposure Limits (English)	cadmium chloride (Cadmium, dust & salts (as Cd))	0.05		0.2	
Canada - Northwest Territories Occupational Exposure Limits (English)	cadmium chloride (Cadmium oxide fume (as Cd))			0.05	
Canada - Alberta Occupational Exposure Limits	cadmium chloride (Cadmium, compounds as Cd - respirable)	0.002			
US - California Permissible Exposure Limits for Chemical Contaminants	cadmium chloride (Cadmium, soluble salts, as Cd (see also Sections 1532 & 5207))	0.005			

ENDOELTABLE

**PERSONAL PROTECTION**



## RESPIRATOR

Particulate

Consult your EHS staff for recommendations

## EYE

- Safety glasses with side shields
- Chemical goggles.

## HANDS/FEET

■ Wear chemical protective gloves, eg. PVC.

Suitability and durability of glove type is dependent on usage. Important factors in the selection of gloves include: such as:

- frequency and duration of contact,
- chemical resistance of glove material,
- glove thickness and
- dexterity

Select gloves tested to a relevant standard (e.g. Europe EN 374, US F739).

- When prolonged or frequently repeated contact may occur, a glove with a protection class of 5 or higher (breakthrough time greater than 240 minutes according to EN 374) is recommended.
- When only brief contact is expected, a glove with a protection class of 3 or higher (breakthrough time greater than 60 minutes according to EN 374) is recommended.
- Contaminated gloves should be replaced.

Gloves must only be worn on clean hands. After using gloves, hands should be washed and dried thoroughly. Application of a non-perfumed moisturiser is recommended.

## OTHER

- Employees working with confirmed human carcinogens should be provided with, and be required to wear, clean, full body protective clothing (smocks, coveralls, or long-sleeved shirt and pants), shoe covers and gloves prior to entering the regulated area.
- Employees engaged in handling operations involving carcinogens should be provided with, and required to wear and use half-face filter-type respirators with filters for dusts, mists and fumes, or air purifying canisters or cartridges. A respirator affording higher levels of protection may be substituted.
- Emergency deluge showers and eyewash fountains, supplied with potable water, should be located near, within sight of, and on the same level with locations where direct exposure is likely.
- Prior to each exit from an area containing confirmed human carcinogens, employees should be required to remove and leave protective clothing and equipment at the point of exit and at the last exit of the day, to place used clothing and equipment in impervious containers at the point of exit for purposes of decontamination or disposal. The contents of such impervious containers must be identified with suitable labels. For maintenance and decontamination activities, authorized employees entering the area should be provided with and required to wear clean, impervious garments, including gloves, boots and continuous-air supplied hood.
- Prior to removing protective garments the employee should undergo decontamination and be required to shower upon removal of the garments and hood.

## ENGINEERING CONTROLS

- Employees exposed to confirmed human carcinogens should be authorized to do so by the employer, and work in a regulated area.
- Work should be undertaken in an isolated system such as a "glove-box". Employees should wash their hands and arms upon completion of the assigned task and before engaging in other activities not associated with the isolated system.
- Within regulated areas, the carcinogen should be stored in sealed containers, or enclosed in a closed system, including piping systems, with any sample ports or openings closed while the carcinogens are contained within.
- Open-vessel systems are prohibited.
- Each operation should be provided with continuous local exhaust ventilation so that air movement is always from ordinary work areas to the operation.
- Exhaust air should not be discharged to regulated areas, non-regulated areas or the external environment unless decontaminated. Clean make-up air should be introduced in sufficient volume to maintain correct operation of the local exhaust system.
- For maintenance and decontamination activities, authorized employees entering the area should be provided with and required to wear clean, impervious garments, including gloves, boots and continuous-air supplied hood. Prior to removing protective garments the employee should undergo decontamination and be required to shower upon removal of the garments and hood.
- Except for outdoor systems, regulated areas should be maintained under negative pressure (with respect to non-regulated areas).
- Local exhaust ventilation requires make-up air be supplied in equal volumes to replaced air.
- Laboratory hoods must be designed and maintained so as to draw air inward at an average linear face velocity of 150 feet/ min. with a minimum of 125 feet/ min. Design and construction of the fume hood requires that insertion of any portion of the employees body, other than hands and arms, be disallowed.

## Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

### PHYSICAL PROPERTIES

Solid.

Mixes with water.

State	Divided solid	Molecular Weight	183.3
Melting Range (°F)	1054	Viscosity	Not Applicable
Boiling Range (°F)	1760	Solubility in water (g/L)	Miscible
Flash Point (°F)	Not Applicable	pH (1% solution)	5.5-6.5(5% soln)
Decomposition Temp (°F)	Not Applicable	pH (as supplied)	Not applicable
Autoignition Temp (°F)	Not applicable.	Vapor Pressure (mmHg)	9.976 @ 656 C
Upper Explosive Limit (%)	Not applicable	Specific Gravity (water=1)	4.05 @ 25 C
Lower Explosive Limit (%)	Not applicable	Relative Vapor Density (air=1)	Not Applicable
Volatile Component (%vol)	Not applicable.	Evaporation Rate	Not Applicable

## APPEARANCE

Colourless, hexagonal, odourless crystals. Soluble in water. Slightly soluble in alcohol; Insoluble in acetone, ether.

## Section 10 - CHEMICAL STABILITY

### CONDITIONS CONTRIBUTING TO INSTABILITY

- Presence of incompatible materials.
- Product is considered stable.

### STORAGE INCOMPATIBILITY

- **WARNING:** Avoid or control reaction with peroxides. All transition metal peroxides should be considered as potentially explosive. For example transition metal complexes of alkyl hydroperoxides may decompose explosively.
- The pi-complexes formed between chromium(0), vanadium(0) and other transition metals (haloarene-metal complexes) and mono-or poly-fluorobenzene show extreme sensitivity to heat and are explosive.
- Avoid reaction with borohydrides or cyanoborohydrides.
- Metals and their oxides or salts may react violently with chlorine trifluoride and bromine trifluoride.
- These trifluorides are hypergolic oxidisers. They ignites on contact (without external source of heat or ignition) with recognised fuels - contact with these materials, following an ambient or slightly elevated temperature, is often violent and may produce ignition.
- The state of subdivision may affect the results.

May react violently with bromine trifluoride, potassium metal.

Contact with acids, or acid fumes forms toxic chloride fumes

Incompatible with strong oxidisers, elemental sulfur, selenium, tellurium, sulfuric acid, alkalis, ammonia, aliphatic amines, alkanolamines, alkylene oxides, amides, epichlorohydrin, organic anhydrides, isocyanates, nitromethane, vinyl acetate

Austenitic stainless steels are susceptible to pitting attack and stress corrosion in the presence of chlorides

For incompatible materials - refer to Section 7 - Handling and Storage.

## Section 11 - TOXICOLOGICAL INFORMATION

cadmium chloride

### TOXICITY AND IRRITATION

CADMIUM CHLORIDE:

■ unless otherwise specified data extracted from RTECS - Register of Toxic Effects of Chemical Substances.

TOXICITY                      IRRITATION

Oral (rat) LD50: 88 mg/kg Nil Reported

■ **WARNING:** This substance has been classified by the IARC as Group 2A: Probably Carcinogenic to Humans.

Tenth Annual Report on Carcinogens: Substance anticipated to be Carcinogen

[National Toxicology Program: U.S. Dep. of Health & Human Services 2002].

### CARCINOGEN

	US - Rhode Island Hazardous Substance List	IARC	C
CADMIUM CHLORIDE	US Environmental Defense Scorecard Recognized Carcinogens	Reference(s)	P65-MC
CADMIUM COMPOUNDS	US Environmental Defense Scorecard Recognized Carcinogens	Reference(s)	P65
CADMIUM CHLORIDE	US Environmental Defense Scorecard Suspected Carcinogens	Reference(s)	P65-MC
CADMIUM COMPOUNDS	US Environmental Defense Scorecard Suspected Carcinogens	Reference(s)	P65
Cadmium (and compounds)	US Air Toxics Hot Spots TSD for Describing Available Cancer Potency Factors	IARC Class	1



PBIT_(PERS~	US - Maine Chemicals of High Concern List	Carcinogen	
VPVB_(VERY~	US - Maine Chemicals of High Concern List	Carcinogen	CA Prop 65; NTP 11th ROC

## Section 12 - ECOLOGICAL INFORMATION

Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
 This material and its container must be disposed of as hazardous waste.  
 Avoid release to the environment.  
 Refer to special instructions/ safety data sheets.

### Ecotoxicity

Ingredient	Persistence: Water/Soil	Persistence: Air	Bioaccumulation	Mobility
cadmium chloride	HIGH		LOW	HIGH

## Section 13 - DISPOSAL CONSIDERATIONS

### US EPA Waste Number & Descriptions

#### A. General Product Information

Toxicity characteristic: use EPA hazardous waste number D006 (waste code E) if this substance, in a solid waste, produces an extract containing greater than 1 mg/L of cadmium.

### Disposal Instructions

All waste must be handled in accordance with local, state and federal regulations.

! Puncture containers to prevent re-use and bury at an authorized landfill.

Legislation addressing waste disposal requirements may differ by country, state and/ or territory. Each user must refer to laws operating in their area. In some areas, certain wastes must be tracked.

A Hierarchy of Controls seems to be common - the user should investigate:

- Reduction
- Reuse
- Recycling
- Disposal (if all else fails)

This material may be recycled if unused, or if it has not been contaminated so as to make it unsuitable for its intended use. Shelf life considerations should also be applied in making decisions of this type. Note that properties of a material may change in use, and recycling or reuse may not always be appropriate.

DO NOT allow wash water from cleaning equipment to enter drains. Collect all wash water for treatment before disposal.

- Recycle wherever possible or consult manufacturer for recycling options.
- Consult Waste Management Authority for disposal.

## Section 14 - TRANSPORTATION INFORMATION



DOT:

Symbols: None Hazard class or Division: 6.1

Identification Numbers: UN2570 PG: III

Label Codes: 6.1 Special provisions: IB8, IP3, T1, TP33

Packaging: Exceptions: 153 Packaging: Non- bulk: 213

Packaging: Exceptions: 153 Quantity limitations: 100 kg

Passenger aircraft/rail:

Quantity Limitations: Cargo 200 kg Vessel stowage: Location: A aircraft only:

Vessel stowage: Other: None S.M.P.: Severe

Hazardous materials descriptions and proper shipping names:

Cadmium compounds

### Air Transport IATA:

ICAO/IATA Class: 6.1 ICAO/IATA Subrisk: None

UN/ID Number: 2570 Packing Group: III

Special provisions: A3

Cargo Only

Packing Instructions: 200 kg Maximum Qty/Pack: 100 kg

Passenger and Cargo Passenger and Cargo

Packing Instructions: 677 Maximum Qty/Pack: 670  
Passenger and Cargo Limited Quantity Passenger and Cargo Limited Quantity  
Packing Instructions: 10 kg Maximum Qty/Pack: Y645  
Shipping Name: CADMIUM COMPOUND \* 2570

**Maritime Transport IMDG:**

IMDG Class: 6.1 IMDG Subrisk: None  
UN Number: 2570 Packing Group: III  
EMS Number: F-A , S-A Special provisions: 223  
Limited Quantities: 5 kg Marine Pollutant: Yes  
Shipping Name: CADMIUM COMPOUND

## Section 15 - REGULATORY INFORMATION

**cadmium chloride (CAS: 10108-64-2,7790-78-5) is found on the following regulatory lists;**

"Canada Domestic Substances List (DSL)", "Canada Ingredient Disclosure List (SOR/88-64)", "Canada Toxicological Index Service - Workplace Hazardous Materials Information System - WHMIS (English)", "International Chemical Secretariat (ChemSec) REACH SIN\* List (\*Substitute It Now!) 1.0", "OSPAR List of Substances of Possible Concern", "US - California Occupational Safety and Health Regulations (CAL/OSHA) - Hazardous Substances List", "US - Maine Chemicals of High Concern List", "US - Massachusetts Oil & Hazardous Material List", "US - New Jersey Right to Know Hazardous Substances", "US - Pennsylvania - Hazardous Substance List", "US CWA (Clean Water Act) - List of Hazardous Substances", "US CWA (Clean Water Act) - Reportable Quantities of Designated Hazardous Substances", "US Department of Transportation (DOT) List of Hazardous Substances and Reportable Quantities - Hazardous Substances Other Than Radionuclides", "US DOE Temporary Emergency Exposure Limits (TEELs)", "US List of Lists - Consolidated List of Chemicals Subject to EPCRA, CERCLA and Section 112(r) of the Clean Air Act", "US Toxic Substances Control Act (TSCA) - Inventory"

## Section 16 - OTHER INFORMATION

**Ingredients with multiple CAS Nos**

Ingredient Name CAS cadmium chloride 10108-64-2, 7790-78-5

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■ Classification of the preparation and its individual components has drawn on official and authoritative sources as well as independent review by the Chemwatch Classification committee using available literature references.

A list of reference resources used to assist the committee may be found at:  
[www.chemwatch.net/references](http://www.chemwatch.net/references).

■ The (M)SDS is a Hazard Communication tool and should be used to assist in the Risk Assessment. Many factors determine whether the reported Hazards are Risks in the workplace or other settings. Risks may be determined by reference to Exposures Scenarios. Scale of use, frequency of use and current or available engineering controls must be considered.

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