



**Safety Data Sheet**

according to 29 CFR 1910.1200(g)

**Conostan Single-Element Standard, Cadmium (Cd) 5000 ppm**

Revision date: 12/12/2025

Product code: AC18.05884

Page 2 of 10

**2. Hazard(s) identification**

**Classification of the chemical**

**29 CFR Part 1910.1200**

- Carcinogenicity: Category 1B
- Reproductive toxicity: Category 2
- Aspiration hazard: Category 1

**Label elements**

**29 CFR Part 1910.1200**

**Signal word:** Danger

**Pictograms:**



**Hazard statements**

- May be fatal if swallowed and enters airways
- May cause cancer
- Suspected of damaging fertility or the unborn child

**Precautionary statements**

- Obtain special instructions before use.
- Do not handle until all safety precautions have been read and understood.
- Wear protective gloves/protective clothing/eye protection/face protection.
- If swallowed: Immediately call a poison center/doctor.
- Do NOT induce vomiting.
- If exposed or concerned: Get medical advice/attention.
- Store locked up.
- Dispose of contents/container to an appropriate recycling or disposal facility.

**Hazards not otherwise classified**

No data available

**3. Composition/information on ingredients**

**Mixtures**

**Relevant ingredients**

CAS No	Components	Quantity
8042-47-5	White mineral oil, petroleum	99.5 %
7440-43-9	cadmium	0.5 %

**Further Information**

Contains the following substances of very high concern (SVHC) which are included in the Candidate List according to Article 59 of REACH: cadmium

**4. First-aid measures**

**Description of first aid measures**

**General information**

First aider: Pay attention to self-protection!

**After inhalation**

Provide fresh air.

**Safety Data Sheet**

according to 29 CFR 1910.1200(g)

**Conostan Single-Element Standard, Cadmium (Cd) 5000 ppm**

Revision date: 12/12/2025

Product code: AC18.05884

Page 3 of 10

Call a physician immediately.

**After contact with skin**

Wash immediately with: Water, Soap  
 Take off immediately all contaminated clothing and wash it before reuse.  
 Call a physician immediately.

**After contact with eyes**

Rinse immediately carefully and thoroughly with eye-bath or water.  
 Remove contact lenses, if present and easy to do. Continue rinsing.  
 In case of eye irritation consult an ophthalmologist.

**After ingestion**

Do NOT induce vomiting.  
 Observe risk of aspiration if vomiting occurs.  
 Call a physician immediately.

**Most important symptoms and effects, both acute and delayed**

Gastrointestinal complaints  
 Pneumonia  
 Vapors may cause drowsiness and dizziness.  
 Dizziness  
 Depression of central nervous system  
 Headache

**Indication of any immediate medical attention and special treatment needed**

Aspiration hazard

**5. Fire-fighting measures**

**Extinguishing media**

**Suitable extinguishing media**

Foam  
 Carbon dioxide (CO<sub>2</sub>)  
 Extinguishing powder  
 Water

**Unsuitable extinguishing media**

no restriction

**Specific hazards arising from the chemical**

Combustible liquids  
 Hazardous combustion products  
 In case of fire may be liberated:  
 Carbon dioxide (CO<sub>2</sub>)  
 Carbon monoxide  
 In case of warming:  
 Vapors are heavier than air, spread along floors and form explosive mixtures with air.

**Special protective equipment and precautions for fire-fighters**

In case of fire: Wear self-contained breathing apparatus.

**Additional information**

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.  
 Use water spray jet to protect personnel and to cool endangered containers.  
 Move undamaged containers from immediate hazard area if it can be done safely.

**6. Accidental release measures**

**Personal precautions, protective equipment and emergency procedures**

## Safety Data Sheet

according to 29 CFR 1910.1200(g)

### Conostan Single-Element Standard, Cadmium (Cd) 5000 ppm

Revision date: 12/12/2025

Product code: AC18.05884

Page 4 of 10

#### General advice

In case of warming:  
 Vapors are heavier than air, spread along floors and form explosive mixtures with air.  
 Take precautionary measures against static discharges.

#### For non-emergency personnel

Provide adequate ventilation.  
 Use personal protection equipment.  
 Avoid contact with skin, eyes and clothes.  
 Remove persons to safety.  
 Emergency procedures  
 Consult an expert  
 Do not breathe dust/fume/gas/mist/vapors/spray.

#### For emergency responders

Precautionary statements For emergency responders : Personal protection equipment (PPE): see section 8

#### Environmental precautions

Do not allow to enter into surface water or drains.

#### Methods and material for containment and cleaning up

##### For containment

Cover drains.  
 Prevent spread over a wide area (e.g. by containment or oil barriers).  
 Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).  
 Collect in closed and suitable containers for disposal.

##### For cleaning up

Clean contaminated articles and floor according to the environmental legislation.

#### Other information

Provide adequate ventilation.  
 Do not breathe dust/fume/gas/mist/vapors/spray.  
 Wear breathing apparatus if exposed to vapors/dusts/aerosols.

#### Reference to other sections

Safe handling: see section 7  
 Personal protection equipment (PPE): see section 8  
 Disposal: see section 13

## 7. Handling and storage

#### Precautions for safe handling

##### Advice on safe handling

Read label before use. Handle and open container with care.  
 When using do not eat, drink, smoke, sniff. Keep container tightly closed.  
 Use personal protection equipment.  
 Do not breathe vapor or spray.  
 Provide adequate ventilation.  
 Use extractor hood (laboratory).

##### Advice on protection against fire and explosion

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
 Take precautionary measures against static discharges.  
 In case of warming:  
 Vapors are heavier than air, spread along floors and form explosive mixtures with air.

##### Advice on general occupational hygiene

Keep away from food, drink and animal feedingstuffs.  
 The choice of body protection depends on the concentration and quantity of hazardous substances. The

## Safety Data Sheet

according to 29 CFR 1910.1200(g)

### Conostan Single-Element Standard, Cadmium (Cd) 5000 ppm

Revision date: 12/12/2025

Product code: AC18.05884

Page 5 of 10

chemical resistance of the protective agents should be clarified with their suppliers.

#### Further information on handling

- Take off immediately all contaminated clothing and wash it before reuse .
- Draw up and observe skin protection programme.
- Wash hands and face before breaks and after work and take a shower if necessary .

#### Conditions for safe storage, including any incompatibilities

##### Requirements for storage rooms and vessels

Keep container tightly closed.

##### Hints on joint storage

National regulations

##### Further information on storage conditions

Keep cool. Protect from sunlight.

## 8. Exposure controls/personal protection

### Control parameters

#### Exposure limits

CAS No	Substance	ppm	mg/m <sup>3</sup>	Category	Origin
7440-43-9	Cadmium (as Cd)	-	0.005	TWA (8 h)	REL
7440-43-9	Cadmium (total particulate)	-	0.01	TWA (8 h)	ACGIH-2025
7440-43-9	Cadmium dust (as Cd)	-	-	as low as possible	REL
-	Mineral oil, excluding metal working fluids (inhalable fraction); Pure, highly and severely refined	-	5	TWA (8 h)	ACGIH-2025
8012-95-1	Oil mist (mineral)	-	5	TWA (8 h)	REL
		-	10	STEL (15 min)	REL
8012-95-1	Oil mist, mineral	-	5	TWA (8 h)	REL

#### Biological Exposure Indices (BEI-ACGIH)

CAS No	Substance	Determinant	Value	Test material	Sampling time
7440-43-9	CADMIUM	Cadmium (creatinine)	5 µg/g	urine	Not critical

#### Additional advice on limit values

Observe in addition any national regulations!

### Exposure controls

#### Appropriate engineering controls

Technical measures and the application of suitable work processes have priority over personal protection equipment.

If handled uncovered, arrangements with local exhaust ventilation have to be used.

#### Individual protection measures, such as personal protective equipment

##### Eye/face protection

- goggles
- Face protection umbrella

##### Hand protection

- Tested protective gloves must be worn
- The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances.

## Safety Data Sheet

according to 29 CFR 1910.1200(g)

### Conostan Single-Element Standard, Cadmium (Cd) 5000 ppm

Revision date: 12/12/2025

Product code: AC18.05884

Page 6 of 10

For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

#### Skin protection

Take off immediately all contaminated clothing and wash it before reuse.  
 Wash hands and face before breaks and after work and take a shower if necessary.  
 Draw up and observe skin protection programme.

#### Respiratory protection

Respiratory protection necessary at: aerosol or mist formation  
 The entrepreneur has to ensure that maintenance, cleaning and testing of respiratory protective devices are carried out according to the instructions of the producer. These measures have to be properly documented. A respiratory protection program that meets OSHA's 29 CFR 1910.134 requirements must be followed whenever workplace conditions warrant a respirator's use.

#### Thermal hazards

No data available

#### Environmental exposure controls

Do not allow to enter into surface water or drains.

## 9. Physical and chemical properties

### Information on basic physical and chemical properties

Physical state:	Liquid	
Color:	clear, colorless	
Odor:	like: Hydrocarbons	
Odour threshold:	No data available	
Melting point/freezing point:		No data available
Boiling point or initial boiling point and boiling range:		218-800 (424.4-1472°F) °C
Flammability:		No data available
Lower explosion limits:		No data available
Upper explosion limits:		No data available
Flash point:		No data available
Auto-ignition temperature:		No data available
Decomposition temperature:		No data available
pH-Value:		No data available
Viscosity / kinematic:		No data available
Water solubility:		No data available
Solubility in other solvents		
No data available		
Dissolution rate:		No data available
Partition coefficient n-octanol/water:		No data available
Dispersion stability:		No data available
Vapor pressure:		No data available
Vapor pressure:		No data available
Density:		No data available
Relative density:		No data available
Bulk density:		No data available
Relative vapour density:		No data available
Particle characteristics:		No data available

### Other information

#### Information with regard to physical hazard classes

## Safety Data Sheet

according to 29 CFR 1910.1200(g)

### Conostan Single-Element Standard, Cadmium (Cd) 5000 ppm

Revision date: 12/12/2025

Product code: AC18.05884

Page 7 of 10

#### Explosive properties

In case of warming:

Vapors are heavier than air, spread along floors and form explosive mixtures with air.

Sustained combustibility:

No data available

Self-ignition temperature

Solid:

No data available

Gas:

No data available

#### Oxidizing properties

No data available

#### Other safety characteristics

Evaporation rate:

No data available

Solvent separation test:

No data available

Solvent content:

No data available

Solid content:

No data available

Sublimation point:

No data available

Softening point:

No data available

Pour point:

No data available

No data available

Viscosity / dynamic:

No data available

Flow time:

No data available

#### Further Information

No data available

## 10. Stability and reactivity

### Reactivity

In case of warming:

Vapours may form explosive mixtures with air.

### Chemical stability

The product is stable under storage at normal ambient temperatures.

### Possibility of hazardous reactions

Oxidising agent

### Conditions to avoid

Heat

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

### Incompatible materials

No data available

### Hazardous decomposition products

in case of fire, see:

SECTION 5: Fire fighting measures

### Further information

No data available

## 11. Toxicological information

### Route(s) of Entry

There are no data available on the mixture itself.

### Information on toxicological effects

#### **Toxicokinetics, metabolism and distribution**

There are no data available on the mixture itself.

**Safety Data Sheet**

according to 29 CFR 1910.1200(g)

**Conostan Single-Element Standard, Cadmium (Cd) 5000 ppm**

Revision date: 12/12/2025

Product code: AC18.05884

Page 8 of 10

**Acute toxicity**

Based on available data, the classification criteria are not met.

**ATEmix calculated**

ATE (oral) &gt; 2000 mg/kg; ATE (dermal) &gt; 2000 mg/kg

CAS No	Components				
	Exposure route	Dose	Species	Source	Method
8042-47-5	White mineral oil, petroleum				
	oral	LD50 > 5000 mg/kg	Rat	Study report (1987)	OECD Guideline 401
	dermal	LD50 > 2000 mg/kg	Rabbit	Study report (1987)	OECD Guideline 402
7440-43-9	cadmium				
	inhalation vapour	ATE 0,5 mg/l			
	inhalation dust/mist	ATE 0,05 mg/l			

**Irritation and corrosivity**

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Serious eye damage/eye irritation: Based on available data, the classification criteria are not met.

**Sensitizing effects**

Based on available data, the classification criteria are not met.

**Carcinogenic/mutagenic/toxic effects for reproduction**

May cause cancer (cadmium)

Suspected of damaging fertility or the unborn child (cadmium)

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

**Specific target organ toxicity (STOT) - single exposure**

Based on available data, the classification criteria are not met.

**Specific target organ toxicity (STOT) - repeated exposure**

Based on available data, the classification criteria are not met.

Carcinogenicity (OSHA): Cadmium (CAS 7440-43-9) is listed.

Carcinogenicity (IARC): Cadmium (CAS 7440-43-9) is listed in group 1.

Carcinogenicity (NTP): Cadmium (CAS 7440-43-9) is listed in group Known.

**Aspiration hazard**

May be fatal if swallowed and enters airways

**Specific effects in experiment on an animal**

There are no data available on the mixture itself.

**Additional information on tests**

There are no data available on the mixture itself.

**Practical experience**

There are no data available on the mixture itself.

**Information on other hazards**
**Endocrine disrupting properties**

There are no data available on the mixture itself.

**Other information**

There are no data available on the mixture itself.

**Further information**

Gastrointestinal complaints

Pneumonia

## Safety Data Sheet

according to 29 CFR 1910.1200(g)

### Conostan Single-Element Standard, Cadmium (Cd) 5000 ppm

Revision date: 12/12/2025

Product code: AC18.05884

Page 9 of 10

Vapors may cause drowsiness and dizziness.  
 Dizziness  
 Depression of central nervous system  
 Headache

## 12. Ecological information

### Persistence and degradability

There are no data available on the mixture itself.

### Bioaccumulative potential

There are no data available on the mixture itself.

### Mobility in soil

There are no data available on the mixture itself.

### Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

### Other adverse effects

Do not allow to enter into surface water or drains.

### Further information

Avoid release to the environment.

## 13. Disposal considerations

### Waste treatment methods

#### **Disposal recommendations**

Send to a physico-chemical treatment facility under observation of official regulations.

Do not allow to enter into surface water or drains.

Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste.

#### **Contaminated packaging**

Handle contaminated packages in the same way as the substance itself.

## 14. Transport information

### **U.S. DOT 49 CFR 172.101**

#### Proper shipping name:

No dangerous good in sense of this transport regulation.

### **Marine transport (IMDG)**

#### UN number or ID number:

No dangerous good in sense of this transport regulation.

#### UN proper shipping name:

No dangerous good in sense of this transport regulation.

#### Transport hazard class(es):

No dangerous good in sense of this transport regulation.

#### Packing group:

No dangerous good in sense of this transport regulation.

### **Air transport (ICAO-TI/IATA-DGR)**

#### UN number or ID number:

No dangerous good in sense of this transport regulation.

#### UN proper shipping name:

No dangerous good in sense of this transport regulation.

#### Transport hazard class(es):

No dangerous good in sense of this transport regulation.

#### Packing group:

No dangerous good in sense of this transport regulation.

### Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

### Special precautions for user

No dangerous good in sense of this transport regulation.

### Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

No dangerous good in sense of this transport regulation.

## Safety Data Sheet

according to 29 CFR 1910.1200(g)

### Conostan Single-Element Standard, Cadmium (Cd) 5000 ppm

Revision date: 12/12/2025

Product code: AC18.05884

Page 10 of 10

## 15. Regulatory information

### U.S. Regulations

#### National regulatory information

SARA Section 304 CERCLA:

Cadmium (7440-43-9): Reportable quantity = 10 (4.54) lbs. (kg)

SARA Section 311/312 Hazards:

Cadmium (7440-43-9): Delayed (chronic) health hazard, Immediate (acute) health hazard

SARA Section 313 Toxic release inventory:

Cadmium (7440-43-9): De minimis limit = 0.1 %, Reportable threshold = Standard

Clean Air Act Section 112(b):

Cadmium (7440-43-9)

### State Regulations

#### Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65, State of California)

WARNING: This product can expose you to chemicals including Cadmium (cancer, developmental, reproductive), which are known to the State of California to cause cancer, birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

## 16. Other information

Revision date: 12/12/2025

Revision No: 1,00

### Other data

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights.

The receiver of our product is singularly responsible for adhering to existing laws and regulations.

Provide appropriate information, instructions and training to users.

*(The data for the relevant ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*