according to Regulation (EC) No. 1907/2006 (REACH), amended by 2020/878/EU



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Cadmium acetate ROTI®METIC 99,999 % (5N), anhydrous

article number: **5247** Version: **4.0 en** Replaces version of: 07.09.2022 Version: (3)

SECTION 1: Identification of the substance/mixture and of the company/ undertaking

1.1 Product identifier

1.2

Identification of the substance	Cadmium acetate ROTI®METIC 99,999 % (5N), anhydrous			
Article number	5247			
Registration number (REACH)	It is not required to list the identified uses be- cause the substance is not subject to registration according to REACH (< 1 t/a).			
Index number in CLP Annex VI	048-001-00-5			
EC number	208-853-2			
CAS number	543-90-8			
Relevant identified uses of the substance or mixture and uses advised against				

Relevant identified uses:

Uses advised against:

Laboratory chemical Laboratory and analytical use

Do not use for products which come into contact with foodstuffs. Do not use for private purposes (household). Food, drink and animal feedingstuffs.

1.3 Details of the supplier of the safety data sheet

Carl Roth GmbH + Co. KG Schoemperlenstr. 3-5 D-76185 Karlsruhe Germany

Telephone:+49 (0) 721 - 56 06 0 **Telefax:** +49 (0) 721 - 56 06 149 **e-mail:** sicherheit@carlroth.de **Website:** www.carlroth.de

Competent person responsible for the safety data Department Health, Safety and Environment sheet:

e-mail (competent person):

sicherheit@carlroth.de

1.4 Emergency telephone number

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 (CLP)

according to Regulation (EC) No. 1907/2006 (REACH), amended by 2020/878/EU



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Section	Hazard class	Cat- egory	Hazard class and category	Hazard statement
3.10	Acute toxicity (oral)	4	Acute Tox. 4	H302
3.1D	Acute toxicity (dermal)	4	Acute Tox. 4	H312
3.1I	Acute toxicity (inhal.)	4	Acute Tox. 4	H332
3.6	Carcinogenicity	1B	Carc. 1B	H350
4.1A	Hazardous to the aquatic environment - acute hazard	1	Aquatic Acute 1	H400
4.1C	Hazardous to the aquatic environment - chronic hazard	1	Aquatic Chronic 1	H410

For full text of abbreviations: see SECTION 16

The most important adverse physicochemical, human health and environmental effects

Spillage and fire water can cause pollution of watercourses.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 (CLP)

Signal word Danger

Pictograms

GHS07, GHS08, GHS09



Hazard statements

H302+H312+H332	Harmful if swallowed, in contact with skin or if inhaled
H350	May cause cancer
H410	Very toxic to aquatic life with long lasting effects

Precautionary statements

Precautionary statements - prevention

P261	Avoid breathing dust
P280	Wear protective gloves/eye protection/face protection

Precautionary statements - response

P302+P352	IF ON SKIN: Wash with plenty of water
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing
P312	Call a POISON CENTRE/doctor if you feel unwell

For professional users only

Labelling of packages where the contents do not exceed 125 ml

Signal word: Danger





H350

May cause cancer.

according to Regulation (EC) No. 1907/2006 (REACH), amended by 2020/878/EU



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P280

Wear protective gloves/eye protection/face protection.

2.3 Other hazards

Results of PBT and vPvB assessment

According to the results of its assessment, this substance is not a PBT or a vPvB.

Endocrine disrupting properties

Does not contain an endocrine disruptor (ED) at a concentration of $\ge 0,1\%$.

SECTION 3: Composition/information on ingredients

3.1 Substances

Name of substance	Cadmium acetate
Molecular formula	Cd(CH ₃ CO ₂) ₂
Molar mass	230,5 ^g / _{mol}
CAS No	543-90-8
EC No	208-853-2
Index No	048-001-00-5

Substance, Specific Conc. Limits, M-factors, ATE				
Specific Conc. Limits	M-Factors	ATE	Exposure route	
-	-	333 ^{mg/} kg 1.100 ^{mg/} kg >1,5 ^{mg/} l/4h	oral dermal inhalation: dust/ mist	

SECTION 4: First aid measures

4.1 Description of first aid measures



General notes

Take off contaminated clothing.

Following inhalation

Provide fresh air. In all cases of doubt, or when symptoms persist, seek medical advice.

Following skin contact

Rinse skin with water/shower.

Following eye contact

Rinse cautiously with water for several minutes. In all cases of doubt, or when symptoms persist, seek medical advice.

Following ingestion

Rinse mouth with water (only if the person is conscious). In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). Call a doctor.

according to Regulation (EC) No. 1907/2006 (REACH), amended by 2020/878/EU



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4.2 Most important symptoms and effects, both acute and delayed

Vomiting, Fever, Headache, Vomiting, Pulmonary oedema, Cardiac arrhythmias, Gastrointestinal complaints, Diarrhoea, Poisoning effect on central nervous system can cause convulsions, laboured breathing and loss of consciousness, Liver and kidney damage

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media



Suitable extinguishing media

co-ordinate firefighting measures to the fire surroundings! water, foam, dry extinguishing powder, ABC-powder

Unsuitable extinguishing media

water jet

5.2 Special hazards arising from the substance or mixture

Non-combustible.

Hazardous combustion products

In case of fire may be liberated: Carbon monoxide (CO), Carbon dioxide (CO₂)

5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Do not allow firefighting water to enter drains or water courses. Fight fire with normal precautions from a reasonable distance. Wear self-contained breathing apparatus.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures



For non-emergency personnel

Use personal protective equipment as required. Avoid contact with skin, eyes and clothes. Do not breathe dust.

6.2 Environmental precautions

Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it. If substance has entered a water course or sewer, inform the responsible authority.

6.3 Methods and material for containment and cleaning up

Advice on how to contain a spill

Covering of drains. Take up mechanically.

Advice on how to clean up a spill

Take up mechanically. Control of dust.

according to Regulation (EC) No. 1907/2006 (REACH), amended by 2020/878/EU



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Other information relating to spills and releases

Place in appropriate containers for disposal. Ventilate affected area.

6.4 Reference to other sections

Hazardous combustion products: see section 5. Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Avoid exposure. Avoid dust formation.

Measures to prevent fire as well as aerosol and dust generation

Removal of dust deposits.

Measures to protect the environment

Avoid release to the environment.

Advice on general occupational hygiene

Wash hands before breaks and after work. Keep away from food, drink and animal feedingstuffs.

7.2 Conditions for safe storage, including any incompatibilities

Store in a dry place.

Incompatible substances or mixtures

Observe hints for combined storage.

Protect against external exposure, such as

humidity, UV-radiation/sunlight

Consideration of other advice:

Ventilation requirements

Keep any substance that emits harmful vapours or gases in a place that allows these to be permanently extracted. Use local and general ventilation.

Specific designs for storage rooms or vessels

Recommended storage temperature: 15 – 25 °C

7.3 Specific end use(s)

No information available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

National limit values

Occupational exposure limit values (Workplace Exposure Limits)

Coun try	Name of agent	CAS No	Identifi- er	TWA [mg/ m³]	STEL [mg/ m³]	Ceil- ing-C [mg/ m ³]	Nota- tion	Source
EU	cadmium, inorganic com- pounds		IOELV	0,004			i	2019/983/ EU

Notation

Ceiling-C Ceiling value is a limit value above which exposure should not occur i Inhalable fraction



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Notation

STEL	Short-term exposure limit: a limit value above which exposure should not occur and which is related to a 15- minute period (unless otherwise specified)
	Time-weighted average (long-term exposure limit): measured or calculated in relation to a reference period of 8 hours time-weighted average (unless otherwise specified)

8.2 Exposure controls

Individual protection measures (personal protective equipment)

Eye/face protection



Use safety goggle with side protection.

Skin protection



hand protection

Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374. 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. The times are approximate values from measurements at 22 ° C and permanent contact. Increased temperatures due to heated substances, body heat etc. and a reduction of the effective layer thickness by stretching can lead to a consider-able reduction of the breakthrough time. If in doubt, contact manufacturer. At an approx. 1.5 times larger / smaller layer thickness, the respective breakthrough time is doubled / halved. The data apply only to the pure substance. When transferred to substance mixtures, they may only be considered as a guide.

• type of material

NBR (Nitrile rubber)

material thickness

>0,11 mm

• breakthrough times of the glove material

>480 minutes (permeation: level 6)

other protection measures

Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended.

Respiratory protection



Respiratory protection necessary at: Dust formation. Particulate filter device (EN 143). P2 (filters at least 94 % of airborne particles, colour code: White).

Environmental exposure controls

Keep away from drains, surface and ground water.

according to Regulation (EC) No. 1907/2006 (REACH), amended by 2020/878/EU



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SECTION 9: Physical and chemical properties

9.1	Information on basic physical and chemical properties				
	Physical state	solid			
	Form	powder, crystalline			
	Colour	white			
	Odour	characteristic			
	Melting point/freezing point	255 – 273 °C			
	Boiling point or initial boiling point and boiling range	not determined			
	Flammability	non-combustible			
	Lower and upper explosion limit	not determined			
	Flash point	not applicable			
	Auto-ignition temperature	not determined			
	Decomposition temperature	not relevant			
	pH (value)	not applicable			
	Kinematic viscosity	not relevant			
	Solubility(ies)				
	Water solubility	(soluble)			
	Partition coefficient				
	Partition coefficient n-octanol/water (log value):	-0,88 (TOXNET)			
	Vapour pressure	not determined			
	Density and/or relative density				
	 Density	~ 2,341 ^g / _{cm³} at 20 °C			
	Relative vapour density	Information on this property is not available.			
	Particle characteristics	No data available.			
	Other safety parameters				
	Oxidising properties	none			
9.2	Other information				
	Information with regard to physical hazard classes:	hazard classes acc. to GHS (physical hazards): not relevant			
	Other safety characteristics:	There is no additional information.			

according to Regulation (EC) No. 1907/2006 (REACH), amended by 2020/878/EU



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SECTION 10: Stability and reactivity

10.1 Reactivity

This material is not reactive under normal ambient conditions.

10.2 Chemical stability

The material is stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

10.3 Possibility of hazardous reactions

Violent reaction with: strong oxidiser, Strong alkali, Strong acid

10.4 Conditions to avoid

Direct light irradiation. Protect from moisture.

- **10.5 Incompatible materials** There is no additional information.
- 10.6 Hazardous decomposition products

Hazardous combustion products: see section 5.

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Classification according to GHS (1272/2008/EC, CLP)

Acute toxicity

Harmful if swallowed. Harmful in contact with skin. Harmful if inhaled.

Acute toxicity					
Exposure route	Endpoint	Value	Species	Method	Source
oral	LD50	333 ^{mg} / _{kg}	rat		TOXNET

Skin corrosion/irritation

Shall not be classified as corrosive/irritant to skin.

Serious eye damage/eye irritation

Shall not be classified as seriously damaging to the eye or eye irritant.

Respiratory or skin sensitisation

Shall not be classified as a respiratory or skin sensitiser.

Germ cell mutagenicity

Shall not be classified as germ cell mutagenic.

Carcinogenicity

May cause cancer.

Reproductive toxicity

Shall not be classified as a reproductive toxicant.

Specific target organ toxicity - single exposure

Shall not be classified as a specific target organ toxicant (single exposure).

according to Regulation (EC) No. 1907/2006 (REACH), amended by 2020/878/EU



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Specific target organ toxicity - repeated exposure

Shall not be classified as a specific target organ toxicant (repeated exposure).

Aspiration hazard

Shall not be classified as presenting an aspiration hazard.

Symptoms related to the physical, chemical and toxicological characteristics

If swallowed

diarrhoea, vomiting, abdominal pain, Liver and kidney damage, nausea, Spasms, gastrointestinal complaints

• If in eyes

Data are not available.

• If inhaled

pulmonary oedema, headache, cardiac arrhythmias, circulatory collapse, fever, vomiting

• If on skin

pruritis, localised redness

• Other information

none

11.2 Endocrine disrupting properties

Does not contain an endocrine disruptor (ED) at a concentration of $\ge 0,1\%$.

11.3 Information on other hazards

There is no additional information.

SECTION 12: Ecological information

12.1 Toxicity

Very toxic to aquatic life with long lasting effects.

12.2 Persistence and degradability

Theoretical Oxygen Demand: 0,4859 ^{mg}/_{mg} Theoretical Carbon Dioxide: 0,7637 ^{mg}/_{mg}

12.3 Bioaccumulative potential

Does not significantly accumulate in organisms.

n-octanol/water (log KOW)

-0,88 (TOXNET)

12.4 Mobility in soil

Data are not available.

12.5 Results of PBT and vPvB assessment

Data are not available.

12.6 Endocrine disrupting properties

Does not contain an endocrine disruptor (ED) at a concentration of $\ge 0,1\%$.

12.7 Other adverse effects

Data are not available.

according to Regulation (EC) No. 1907/2006 (REACH), amended by 2020/878/EU



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SECTION 13: Disposal considerations

13.1 Waste treatment methods



This material and its container must be disposed of as hazardous waste. Dispose of contents/container in accordance with local/regional/national/international regulations.

Sewage disposal-relevant information

Do not empty into drains. Avoid release to the environment. Refer to special instructions/safety data sheets.

Waste treatment of containers/packagings

It is a dangerous waste; only packagings which are approved (e.g. acc. to ADR) may be used. Handle contaminated packages in the same way as the substance itself. Completely emptied packages can be recycled.

13.2 Relevant provisions relating to waste

The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.

Properties of waste which render it hazardous

- **HP6** acute toxicity
- HP 7 carcinogenic
- HP 14 ecotoxic

13.3 Remarks

Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities. Please consider the relevant national or regional provisions. Non-contaminated packages may be recycled.

SECTION 14: Transport information

14.1 UN number or ID number

	ADR	UN 2570
	IMDG-Code	UN 2570
	ICAO-TI	UN 2570
14.2	UN proper shipping name	
	ADR	CADMIUM COMPOUND
	IMDG-Code	CADMIUM COMPOUND
	ICAO-TI	Cadmium compound
	Technical name	Cadmium acetate
14.3	Transport hazard class(es)	
	ADR	6.1
	IMDG-Code	6.1
	ICAO-TI	6.1
14.4	Packing group	

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article	e number: 5247	
	ADR	III
	IMDG-Code	III
	ICAO-TI	III
14.5	Environmental hazards	hazardous to the aquatic environment
14.6	Special precautions for user	
117	Provisions for dangerous goods (ADR) should be c Maritime transport in bulk according to IMO in	
14.7	The cargo is not intended to be carried in bulk.	struments
14.8	Information for each of the UN Model Regulation	ons
	Agreement concerning the International Carria information	age of Dangerous Goods by Road (ADR)Additiona
	Proper shipping name	CADMIUM COMPOUND
	Particulars in the transport document	UN2570, CADMIUM COMPOUND, (Cadmium acet ate), 6.1, III, (E), environmentally hazardous
	Classification code	Τ5
	Danger label(s)	6.1, "Fish and tree"
	Environmental hazards	Yes (hazardous to the aquatic environment)
	Special provisions (SP)	274, 596, 802(ADN)
	Excepted quantities (EQ)	E1
	Limited quantities (LQ)	5 kg
	Transport category (TC)	2
	Tunnel restriction code (TRC)	E
	Hazard identification No	60
	International Maritime Dangerous Goods Code	(IMDG) - Additional information
	Proper shipping name	CADMIUM COMPOUND
	Particulars in the shipper's declaration	UN2570, CADMIUM COMPOUND, (Cadmium acet ate), 6.1, III, MARINE POLLUTANT
	Marine pollutant	Yes (hazardous to the aquatic environment)
	Danger label(s)	6.1, "Fish and tree"
	Special provisions (SP)	223, 274
	Excepted quantities (EQ)	E1
	Limited quantities (LQ)	5 kg
	EmS	F-A, S-A

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Stowage category	A
International Civil Aviation Organization (ICAO-	IATA/DGR) - Additional information
Proper shipping name	Cadmium compound
Particulars in the shipper's declaration	UN2570, Cadmium compound, (Cadmium acet- ate), 6.1, III
Environmental hazards	Yes (hazardous to the aquatic environment)
Danger label(s)	6.1
Special provisions (SP)	A3, A5
Excepted quantities (EQ)	E1
Limited quantities (LQ)	10 kg

SECTION 15: Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture 15.1 Relevant provisions of the European Union (EU)

Restrictions according to REACH, Annex XVII

Dangerous substances with restrictions (REACH, Annex XVII)						
Name of substance	Name acc. to inventory	CAS No	Restriction	Νο		
Cadmium acetate	cadmium compounds		R23	23		
Cadmium acetate	cadmium compounds		R72 R72_Cd	72		
Cadmium acetate	carcinogenic		R28-30	28		
Cadmium acetate	substances in tattoo inks and perman- ent make-up		R75	75		

Legend R23

For the purpose of this entry, the codes and chapters indicated in square brackets are the codes and chapters of the tariff and statistical nomenclature of Common Customs Tariff as established by Council Regulation (EEC) No 2658/87 (1)

). Shall not be used in mixtures and articles produced from the following synthetic organic polymers (hereafter referred to as plastic material): - polymers or copolymers of vinyl chloride (PVC) [3904 10] [3904 21] - polyurethane (PUR) [3909 50]

- low-density polyethylene (LDPE), with the exception of low-density polyethylene used for the production of coloured masterbatch [3901 10] cellulose acetate (CA) [3912 11] cellulose acetate butyrate (CAB) [3912 11] epoxy resins [3907 30] moleming for moldolude (ME) resins [3000 20]

- melamine-formaldehyde (MF) resins [3909 20]
- urea-formaldehyde (UF) resins [3909 10]
 unsaturated polyesters (UP) [3907 91]
 polyethylene terephthalate (PET) [3907 60]

- polybutylene terephthalate (PBT)
 transparent/general-purpose polystyrene [3903 11]
 acrylonitrile methylmethacrylate (AMMA)
- cross-linked polyethylene (VPE)
- high-impact polystyrene
 polypropylene (PP) [3902 10]

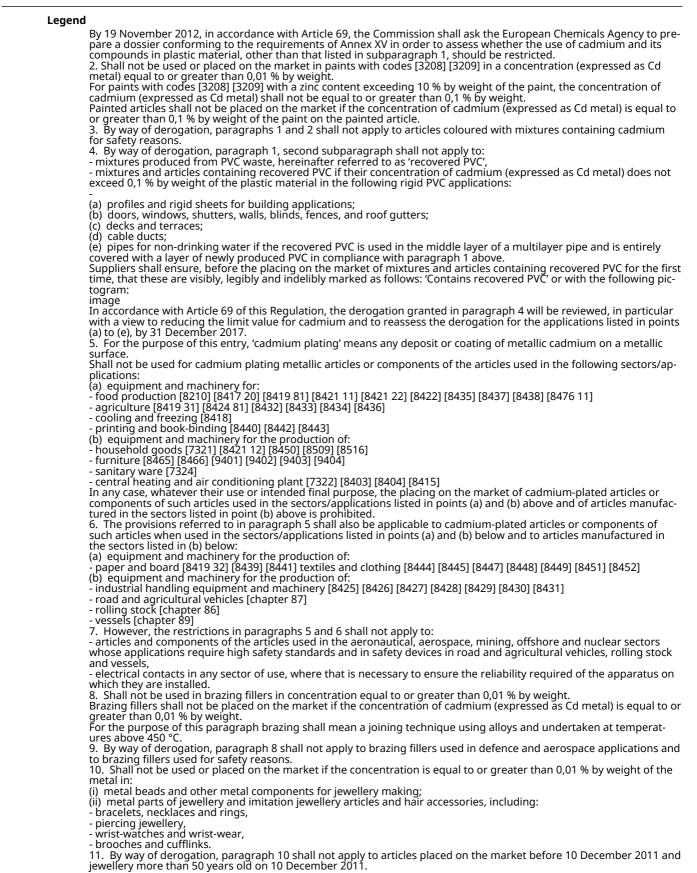
Mixtures and articles produced from plastic material as listed above shall not be placed on the market if the concen-tration of cadmium (expressed as Cd metal) is equal to or greater than 0,01 % by weight of the plastic material. By way of derogation, the second subparagraph shall not apply to articles placed on the market before 10 December 2011

The first and second subparagraphs apply without prejudice to Council Directive 94/62/EC (13) and acts adopted on its basis.



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Legend

R72

R28-30 1. Shall not be placed on the market, or used,

- as substances
- as constituents of other substances, or,
- in mixtures

for supply to the general public when the individual concentration in the substance or mixture is equal to or greater than:

- either the relevant specific concentration limit specified in Part 3 of Annex VI to Regulation (EC) No 1272/2008, or, - the relevant generic concentration limit specified in Part 3 of Annex I of Regulation (EC) No 1272/2008.

Without prejudice to the implementation of other Community provisions relating to the classification, packaging and labelling of substances and mixtures, suppliers shall ensure before the placing on the market that the packaging of such substances and mixtures is marked visibly, legibly and indelibly as follows:

Arestricted to professional users'.
By way of derogation, paragraph 1 shall not apply to:
(a) medicinal or veterinary products as defined by Directive 2001/82/EC and Directive 2001/83/EC;
(b) cosmetic products as defined by Directive 76/768/EEC;

(b) cosmetic products as defined by Directive 76/768/EEC;
(c) the following fuels and oil products:
motor fuels which are covered by Directive 98/70/EC,
mineral oil products intended for use as fuel in mobile or fixed combustion plants,
fuels sold in closed systems (e.g. liquid gas bottles);
(d) artists' paints covered by Regulation (EC) No 1272/2008;
(e) the substances listed in Appendix 11, column 1, for the applications or uses listed in Appendix 11, column 2. Where a date is specified in column 2 of Appendix 11, the derogation shall apply until the said date;
(f) devices covered by Regulation (EU) 2017/745.
Shall not be placed on the market after 1 November 2020 in any of the following:
(a) clothing or related accessories:

(a) clothing or related accessories;
(b) textiles other than clothing which, under normal or reasonably foreseeable conditions of use, come into contact with human skin to an extent similar to clothing;

(c) footwear; if the clothing, related accessory, textile other than clothing or footwear is for use by consumers and the substance is present in a concentration, measured in homogeneous material, equal to or greater than that specified for that sub-

stance in Appendix 12. 2. By way of derogation, in relation to the placing on the market of formaldehyde [CAS No 50-00-0] in jackets, coats or upholstery, the relevant concentration for the purposes of paragraph 1 shall be 300 mg/kg during the period between 1 November 2020 and 1 November 2023. The concentration specified in Appendix 12 shall apply thereafter. 3. Paragraph 1 shall not apply to:

(a) clothing, related accessories or footwear, or parts of clothing, related accessories or footwear, made exclusively of

(a) Clothing, related accessories or footwear, or parts of clothing, related accessories or footwear, made exclusively of natural leather, fur or hide;
(b) non-textile fasteners and non-textile decorative attachments;
(c) second-hand clothing, related accessories, textiles other than clothing or footwear
(d) wall-to-wall carpets and textile floor coverings for indoor use, rugs and runners.
4. Paragraph 1 shall not apply to clothing, related accessories, textiles other than clothing, or footwear within the scope of Regulation (EU) 2016/425 of the European Parliament and of the Council (*) or Regulation (EU) 2017/745 of the European Parliament and of the Council (*).
5. Paragraph 1(b) shall not apply to disposable textiles. 'Disposable textiles' means textiles that are designed to be used only once or for a limited time and are not intended for subsequent use for the same or a similar nurpose.

5. Paragraph 1(b) shall not apply to disposable textiles. 'Disposable textiles' means textiles that are designed to be used only once or for a limited time and are not intended for subsequent use for the same or a similar purpose.
6. Paragraphs 1 and 2 shall apply without prejudice to the application of any stricter restrictions set out in this Annex or in other applicable Union legislation.
7. The Commission shall review the exemption in paragraph 3(d) and, if appropriate, modify that point accordingly.
(*) Regulation (EU) 2016/425 of the European Parliament and of the Council of of 9 March 2016 on personal protective equipment and repealing Council Directive 89/686/EEC (OJ L 81, 31.3.2016, p. 51).
(**) Regulation (EU) 2017/745 of the European Parliament and of the Council of 5 April 2017 on medical devices, amending Directive 2001/83/EC, Regulation (EC) No 178/2002 and Regulation (EC) No 1223/2009 and repealing Council Directives 90/385/EEC and 93/42/EEC (OJ L 117, 5.5.2017, p. 1).
R72_Cd Appendix 12 (maximum concentration limits by weight in homogeneous materials): 1 mg/kg after extraction (expressed as Cd metal that can be extracted from the material)



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tattooing purposes.



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9. This entry does not apply to substances that are gases at temperature of 20 °C and pressure of 101,3 kPa, or generate a vapour pressure of more than 300 kPa at temperature of 50 °C, with the exception of formaldehyde (CAS No 50-00-0, EC No 200-001-8).

10. This entry does not apply to the placing on the market of a mixture for use for tattooing purposes, or to the use of a mixture for tattooing purposes, when placed on the market exclusively as a medical device or an accessory to a medical device, within the meaning of Regulation (EU) 2017/745, or when used exclusively as a medical device or an accessory to a medical device, within the same meaning. Where the placing on the market or use may not be exclusively as a medical device or an accessory to a medical device, the requirements of Regulation (EU) 2017/745 and of this Regulation shall apply cumulatively.

List of substances subject to authorisation (REACH, Annex XIV)/SVHC - candidate list

Not listed.

Seveso Directive

2012/18/EU (Seveso III)							
No	Dangerous substance/hazard categories	Qualifying quantity (tonnes) for the ap- plication of lower and upper-tier re- quirements	Notes				
E1	1 environmental hazards (hazardous to the aquatic en- vironment, cat. 1) 100 200		56)				

Notation

56) Hazardous to the Aquatic Environment in category Acute 1 or Chronic 1

Deco-Paint Directive

VOC content	0 %
VOC content	0 ^g / _l

Industrial Emissions Directive (IED)

VOC content	0 %
VOC content	0 ^g / _l

Directive on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS)

not listed

Regulation concerning the establishment of a European Pollutant Release and Transfer Register (PRTR)

not listed

Water Framework Directive (WFD)

List of pollutants (WFD)						
Name of substance	Name acc. to inventory	CAS No	Listed in	Remarks		
Cadmium acetate	cadmium compounds		b)	HAZ		
Cadmium acetate	Cadmium and its compounds (de- pending on water hardness classes)	7440-43-9	c)			

according to Regulation (EC) No. 1907/2006 (REACH), amended by 2020/878/EU



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List of pollutants (WFD)

Name of substance	Name acc. to inventory	CAS No	Listed in	Remarks
Cadmium acetate	Substances and preparations, or the breakdown products of such, which have been proved to pos- sess carcinogenic or mutagenic properties or properties which may affect steroidogenic, thyroid, reproduction or other endocrine- related functions in or via the aquatic environment		a)	
Cadmium acetate	Metals and their compounds		a)	

Legend

a) b) c) HA7 Indicative list of the main pollutants

List of priority substances in the field of water policy

Environmental Quality Standards for Priority Substances and certain other pollutants Identified as priority hazardous substance

Regulation on the marketing and use of explosives precursors

not listed

Regulation on drug precursors

not listed

Regulation on substances that deplete the ozone layer (ODS)

not listed

Regulation concerning the export and import of hazardous chemicals (PIC)

chemicals subject to the international prior informed consent (PIC) procedure (the 'PIC procedure').

Name of substance	Name acc. to inventory	CAS No	Wt%	Category / subcat- egory	Use limita- tion
Cadmium acetate	cadmium compounds		100	i(1) i(2)	sr sr
Cadmium acetate	cadmium compounds		100	i	sr

Legend

Category: i - industrial chemical Sub-category: i(1) - industrial chemical for professional use Sub-category: i(2) - industrial chemical for public use

i(1) i(2) sr Use limitation: severe restriction (for the sub-category or sub-categories concerned) according to Union legislation

Regulation on persistent organic pollutants (POP)

not listed

Other information

Directive 94/33/EC on the protection of young people at work. Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.

National inventories

according to Regulation (EC) No. 1907/2006 (REACH), amended by 2020/878/EU



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Country	Inventory	Status
AU	AIIC	substance is listed
CA	DSL	substance is listed
CN	IECSC	substance is listed
EU	ECSI	substance is listed
JP	CSCL-ENCS	substance is listed
KR	KECI	substance is listed
MX	INSQ	substance is listed
NZ	NZIoC	substance is listed
PH	PICCS	substance is listed
TW	TCSI	substance is listed
US	TSCA	substance is listed (ACTIVE)

Legend

AIIC	Australian Inventory of Industrial Chemicals
CSCL-ENCS	List of Existing and New Chemical Substances (CSCL-ENCS)
DSL	Domestic Substances List (DSL)
ECSI	EC Substance Inventory (EINECS, ELINCS, NLP)
IECSC	Inventory of Existing Chemical Substances Produced or Imported in China
INSQ	National Inventory of Chemical Substances
KECI	Korea Existing Chemicals Inventory
NZIoC	New Zealand Inventory of Chemicals
PICCS	Philippine Inventory of Chemicals and Chemical Substances (PICCS)
TCSI	Taiwan Chemical Substance Inventory
TSCA	Toxic Substance Control Act

15.2 Chemical safety assessment

No Chemical Safety Assessment has been carried out for this substance.

SECTION 16: Other information

Indication of changes (revised safety data sheet)

Section	Former entry (text/value)	Actual entry (text/value)	Safety- relev- ant
2.2		Hazard statements: change in the listing (table)	yes
2.2		Labelling of packages where the contents do not exceed 125 ml: change in the listing (table)	yes
2.3		Endocrine disrupting properties: Does not contain an endocrine disruptor (ED) at a concentration of ≥ 0,1%.	yes
15.1	VOC content: 0 % 0 ^g / _l	VOC content: 0 %	yes
15.1		VOC content: 0 ^g / _l	yes
15.1		National inventories: change in the listing (table)	yes

according to Regulation (EC) No. 1907/2006 (REACH), amended by 2020/878/EU



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Abbreviations and acronyms

Abbr.	Descriptions of used abbreviations
2019/983/EU	Directive of the European Parliament and of the Council amending Directive 2004/37/EC on the protec- tion of workers from the risks related to exposure to carcinogens or mutagens at work
ADR	Accord relatif au transport international des marchandises dangereuses par route (Agreement concern- ing the International Carriage of Dangerous Goods by Road)
ATE	Acute Toxicity Estimate
CAS	Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances)
Ceiling-C	Ceiling value
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures
DGR	Dangerous Goods Regulations (see IATA/DGR)
EC No	The EC Inventory (EINECS, ELINCS and the NLP-list) is the source for the seven-digit EC number, an identi- fier of substances commercially available within the EU (European Union)
ED	Endocrine disruptor
EINECS	European Inventory of Existing Commercial Chemical Substances
ELINCS	European List of Notified Chemical Substances
EmS	Emergency Schedule
GHS	"Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Na- tions
IATA	International Air Transport Association
IATA/DGR	Dangerous Goods Regulations (DGR) for the air transport (IATA)
ICAO	International Civil Aviation Organization
ICAO-TI	Technical instructions for the safe transport of dangerous goods by air
IMDG	International Maritime Dangerous Goods Code
IMDG-Code	International Maritime Dangerous Goods Code
index No	The Index number is the identification code given to the substance in Part 3 of Annex VI to Regulation (EC) No 1272/2008
IOELV	Indicative occupational exposure limit value
LD50	Lethal Dose 50 %: the LD50 corresponds to the dose of a tested substance causing 50 % lethality during a specified time interval
NLP	No-Longer Polymer
PBT	Persistent, Bioaccumulative and Toxic
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
STEL	Short-term exposure limit
SVHC	Substance of Very High Concern
TWA	Time-weighted average
VOC	Volatile Organic Compounds
vPvB	Very Persistent and very Bioaccumulative

according to Regulation (EC) No. 1907/2006 (REACH), amended by 2020/878/EU



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Key literature references and sources for data

Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures. Regulation (EC) No. 1907/2006 (REACH), amended by 2020/878/EU.

Agreement concerning the International Carriage of Dangerous Goods by Road (ADR). International Maritime Dangerous Goods Code (IMDG). Dangerous Goods Regulations (DGR) for the air transport (IATA).

List of relevant phrases (code and full text as stated in section 2 and 3)

Code	Text
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H332	Harmful if inhaled.
H350	May cause cancer.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

Disclaimer

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.