

# Mercury(II) chloride

## Safety Data Sheet

according to Regulation (EU) 2015/830

Date of issue: 05/04/2017 Version: 0.0

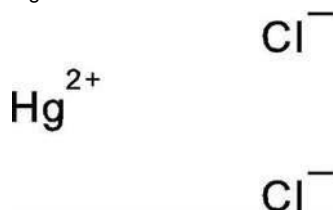
Doc. No: SDS-947.026/1



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

#### 1.1. Product identifier

Product form : Substance  
Substance name : Mercury(II) chloride  
EC Index-No. : 080-010-00-X  
EC-No. : 231-299-8  
CAS-No. : 7487-94-7  
Type of product : Pure substance  
Formula : HgCl<sub>2</sub>  
Chemical structure :



Synonyms : abavit B / bichloride of mercury / calochlor / corrosive sublimate / corrosive mercury chloride / dichloromercury / emisan 6 / fungchex / MC (= mercury(II)chloride) / mercuribichloride / mercuric (II) chloride / mercuric bichloride / mercuric chloride / Mercuric chloride / mercuric(II) chloride / mercury (2+) chloride / mercury bichloride / mercury chloride (HgCl<sub>2</sub>) / mercury perchloride / mercury dichloride / mercurydichloride / merfusan (= mercury(II) chloride) / perchloride of mercury / sublimate / sulem / TL 898

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

##### 1.2.1. Relevant identified uses

Use of the substance/mixture : Veterinary medicine  
Laboratory chemical  
Photographic chemical  
Chemical intermediate  
Disinfectant

##### 1.2.2. Uses advised against

No additional information available

#### 1.3. Details of the supplier of the safety data sheet

ISOLAB Laborgeräte GmbH  
Am Dillhof 2 - 63863 Eschau / GERMANY  
Tel: + 49 93 74 / 978 55-0  
Fax: +49 93 74 / 978 55-29  
[prodsafe@isolab.de](mailto:prodsafe@isolab.de)

#### 1.4. Emergency telephone number

Country	Organisation/Company	Address	Emergency number	Comment
Germany	Giftnotruf der Charité CBF, Haus VIII (Wirtschaftgebäude), UG	Hindenburgdamm 30 12203 Berlin	+49 30 19240	

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Muta. 2 H341  
Repr. 2 H361f  
Acute Tox. 2 (Oral) H300  
STOT RE 1 H372  
Skin Corr. 1B H314  
Aquatic Acute 1 H400  
Aquatic Chronic 1 H410

Full text of hazard classes and H-statements : see section 16

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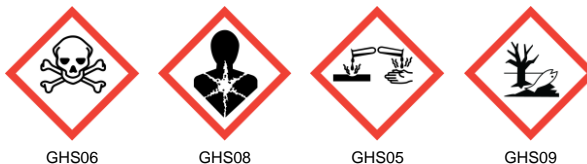
### Adverse physicochemical, human health and environmental effects

No additional information available

## 2.2. Label elements

### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



Signal word (CLP) :

Danger

Hazard statements (CLP) :

H341 - Suspected of causing genetic defects  
H361f - Suspected of damaging fertility  
H300 - Fatal if swallowed  
H372 - Causes damage to organs through prolonged or repeated exposure  
H314 - Causes severe skin burns and eye damage  
H410 - Very toxic to aquatic life with long lasting effects

Precautionary statements (CLP) :

P273 - Avoid release to the environment.  
P280 - Wear protective gloves, protective clothing, eye protection, face protection.  
P301+P330+P331 - IF SWALLOWED : Rinse mouth. Do NOT induce vomiting.  
P305+P351+P338 - IF IN EYES : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P308 + P310 IF exposed or concerned: immediately call a POISON CENTER or doctor/physician.

## 2.3. Other hazards

No additional information available

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Name	Product identifier	%
Mercury dichloride	(CAS-No.) 7487-94-7 (EC-No.) 231-299-8 (EC Index-No.) 080-010-00-X	100

Full text of H-statements: see section 16

### 3.2. Mixtures

Not applicable

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures general

: Check the vital functions. Unconscious: maintain adequate airway and respiration. Respiratory arrest: artificial respiration or oxygen. Cardiac arrest: perform resuscitation. Victim conscious with laboured breathing: half-seated. Victim in shock: on his back with legs slightly raised. Vomiting: prevent asphyxia/aspiration pneumonia. Prevent cooling by covering the victim (no warming up). Keep watching the victim. Give psychological aid. Keep the victim calm, avoid physical strain. Depending on the victim's condition: doctor/hospital.

First-aid measures after inhalation

: Remove the victim into fresh air. Respiratory problems: consult a doctor/medical service.

First-aid measures after skin contact

: Wash immediately with lots of water (15 minutes)/shower. Wash immediately with PE-glycol 400. Remove clothing before washing. Do not apply (chemical) neutralizing agents. Cover wounds with sterile bandage. Consult a doctor/medical service. If burned surface > 10%: take victim to hospital.

First-aid measures after eye contact

: Rinse immediately with plenty of water for 15 minutes. Do not apply neutralizing agents. Take victim to an ophthalmologist.

First-aid measures after ingestion

: Rinse mouth with water. Give nothing to drink. Immediately consult a doctor/medical service. Call Poison Information Centre ([www.big.be/antigif.htm](http://www.big.be/antigif.htm)). Ingestion of large quantities: immediately to hospital. Take the container/vomit to the doctor/hospital.

### 4.2. Most important symptoms and effects, both acute and delayed

Symptoms/effects after inhalation

: Coughing. Metal taste. Irritation of the respiratory tract. Irritation of the nasal mucous membranes. ON CONTINUOUS EXPOSURE/CONTACT: Respiratory difficulties. Corrosion of the upper respiratory tract.

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Symptoms/effects after skin contact	: Caustic burns/corrosion of the skin.
Symptoms/effects after eye contact	: Corrosion of the eye tissue.
Symptoms/effects after ingestion	: Nausea. Vomiting. Abdominal pain. Diarrhoea. Blood in stool. Bleeding of the gastrointestinal tract. Possible esophageal perforation. Burns to the gastric/intestinal mucosa. FOLLOWING SYMPTOMS MAY APPEAR LATER: Decreased renal function. Change in urine output. Change in urine composition. Low arterial pressure. Disturbances of heart rate.
Chronic symptoms	: ON CONTINUOUS/REPEATED EXPOSURE/CONTACT: Gastrointestinal complaints. Skin rash/inflammation. Brain affection. Affection of the renal tissue. Tremor. Affection/discolouration of the teeth. Inflammation/damage of the eye tissue. Visual disturbances. Auditory disturbances. Impaired memory. Delusions.

### 4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

## SECTION 5: Fire-fighting measures

### 5.1. Extinguishing media

Suitable extinguishing media	: Adapt extinguishing media to the environment.
Unsuitable extinguishing media	: No unsuitable extinguishing media known.

### 5.2. Special hazards arising from the substance or mixture

Fire hazard	: DIRECT FIRE HAZARD. Non combustible.
Explosion hazard	: DIRECT EXPLOSION HAZARD. No data available on direct explosion hazard. INDIRECT EXPLOSION HAZARD. Reactions with explosion hazards: see "Reactivity Hazard".

### 5.3. Advice for firefighters

Precautionary measures fire	: Exposure to fire/heat: keep upwind. Exposure to fire/heat: consider evacuation. Exposure to fire/heat: have neighbourhood close doors and windows.
Firefighting instructions	: Cool tanks/drums with water spray/remove them into safety. Dilute toxic gases with water spray. Take account of toxic fire-fighting water. Use water moderately and if possible collect or contain it.
Protection during firefighting	: Heat/fire exposure: compressed air/oxygen apparatus.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

#### 6.1.1. For non-emergency personnel

Protective equipment	: Gloves. Face-shield. Corrosion-proof suit. Dust cloud production: compressed air/oxygen apparatus.
Emergency procedures	: Mark the danger area. Prevent dust cloud formation. No naked flames. Wash contaminated clothes.
Measures in case of dust release	: In case of dust production: keep upwind. In case of dust production: consider evacuation. Dust production: have neighbourhood close doors and windows.

#### 6.1.2. For emergency responders

No additional information available

### 6.2. Environmental precautions

Prevent soil and water pollution. Prevent spreading in sewers.

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

For containment	: Contain released substance, pump into suitable containers. Consult "Material-handling" to select material of containers. Plug the leak, cut off the supply. Dam up the solid spill. Knock down/dilute dust cloud with water spray. Take account of toxic/corrosive precipitation water.
Methods for cleaning up	: Prevent dispersion by covering with dry sand. Scoop solid spill into closing containers. See "Material-handling" for suitable container materials. Carefully collect the spill/leftovers. Clean contaminated surfaces with an excess of water. Take collected spill to manufacturer/competent authority. Wash clothing and equipment after handling.

### 6.4. Reference to other sections

No additional information available

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Additional hazards when processed	: Pulverization rapidly increases toxic concentration.
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Precautions for safe handling : Comply with the legal requirements. Remove contaminated clothing immediately. Clean contaminated clothing. Thoroughly clean/dry the installation before use. Do not discharge the waste into the drain. Avoid raising dust. Keep away from naked flames/heat. Observe very strict hygiene - avoid contact. Keep container tightly closed. Measure the concentration in the air regularly. Carry operations in the open/under local exhaust/ventilation or with respiratory protection.

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

Heat and ignition sources : KEEP SUBSTANCE AWAY FROM: heat sources.  
Information on mixed storage : KEEP SUBSTANCE AWAY FROM: oxidizing agents. (strong) acids. (strong) bases. cellulosic materials. metals.  
Storage area : Store in a cool area. Keep out of direct sunlight. Store in a dry area. Store in a dark area. Keep container in a well-ventilated place. Keep locked up. Unauthorized persons are not admitted. Meet the legal requirements.  
Special rules on packaging : SPECIAL REQUIREMENTS: closing. dry. clean. opaque. correctly labelled. meet the legal requirements. Secure fragile packagings in solid containers.  
Packaging materials : SUITABLE MATERIAL: steel. stainless steel. synthetic material. glass. stoneware/porcelain. MATERIAL TO AVOID: aluminium. lead. iron. copper. tin. zinc.

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

Mercury(II) chloride (7487-94-7)		
EU	Local name	Mercuric chloride
EU	IOELV TWA (mg/m <sup>3</sup> )	0.02 mg/m <sup>3</sup> (Mercury, divalent inorganic compounds; EU; Time-weighted average exposure limit 8 h; Indicative occupational exposure limit value)
Belgium	Limit value (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup> (Mercure et composés inorganiques bivalents du mercure, y compris l'oxyde de mercure et le chlorure mercurique (mesurés comme mercure) (8); Belgium; Time-weighted average exposure limit 8 h)
Finland	Local name	Elohopea-(II)-dikloridi
Finland	HTP-arvo (8h) (mg/m <sup>3</sup> )	0.02 mg/m <sup>3</sup>
Finland	Huomautus (FI)	Iho, Hg, melu
France	Local name	Mercure et composés bivalents du mercure, y compris l'oxyde de mercure et le chlorure mercurique
France	VME (mg/m <sup>3</sup> )	0.02 mg/m <sup>3</sup> (Mercure et composés bivalents du mercure, y compris l'oxyde de mercure et le chlorure de mercurique; France; Time-weighted average exposure limit 8 h; VRC: Valeur réglementaire contraignante)
France	Note (FR)	Valeurs réglementaires contraignantes; certains ou tous ces composés sont classés C1a, C1b ou C2 et M1a, M1b ou M2
Latvia	Local name	Dzīvsudrabahlorīds(pēc dzīvsudraba)
Latvia	OEL TWA (mg/m <sup>3</sup> )	0.02 mg/m <sup>3</sup>
Netherlands	Grenswaarde TGG 8H (mg/m <sup>3</sup> )	0.02 mg/m <sup>3</sup> (Kwik en tweewaardige anorganische kwikverbindingen (gemeten als kwik); Netherlands; Time-weighted average exposure limit 8 h; Public occupational exposure limit value; als Hg; kwikdichloride, kwik(II)chloride; 0.02 mg/m <sup>3</sup> ; Netherlands; Time-weighted average exposure limit 8 h; Public occupational exposure limit value; als Hg)
Spain	Local name	Cloruro de mercurio II
Spain	VLA-ED (mg/m <sup>3</sup> )	0.02 mg/m <sup>3</sup> como Hg

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Mercury(II) chloride (7487-94-7)		
Spain	Notes	r (Esta sustancia tiene establecidas restricciones a la fabricación, la comercialización o el uso en los términos especificados en el "Reglamento (CE) nº 1907/2006 sobre Registro, Evaluación, Autorización y Restricción de sustancias y preparados químicos" (REACH) de 18 de diciembre de 2006 (DOUE L 369 de 30 de diciembre de 2006). Las restricciones de una sustancia pueden aplicarse a todos los usos o sólo a usos concretos. El anexo XVII del Reglamento REACH contiene la lista de todas las sustancias restringidas y especifica los usos que se han restringido), VLI (Agente químico para el que la U.E. estableció en su día un valor límite indicativo. Todos estos agentes químicos figuran al menos en una de las directivas de valores límite indicativos publicadas hasta ahora (ver Anexo C. Bibliografía). Los estados miembros disponen de un tiempo fijado en dichas directivas para su transposición a los valores límites de cada país miembro. Una vez adoptados, estos valores tienen la misma validez que el resto de los valores adoptados por el país), Hg (El mercurio es una sustancia con efectos sanitarios acumulativos posiblemente graves. En consecuencia, la evaluación de la exposición debería complementarse con una vigilancia sanitaria con control biológico de acuerdo con el artículo 6 del RD 374/2001), VLB® (Agente químico que tiene Valor Límite Biológico específico en este documento).
United Kingdom	WEL TWA (mg/m <sup>3</sup> )	0.02 mg/m <sup>3</sup> Mercury divalent inorganic compounds including mercuric oxide and mercuric chloride (measured as mercury); United Kingdom; Time-weighted average exposure limit 8 h; Workplace exposure limit (EH40/2005)
USA - ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	0.025 mg/m <sup>3</sup> (Mercury, Inorganic forms, as Hg; USA; Time-weighted average exposure limit 8 h; TLV - Adopted Value)

## 8.2. Exposure controls

### Materials for protective clothing:

GIVE EXCELLENT RESISTANCE: nitrile rubber. GIVE LESS RESISTANCE: No data available. GIVE POOR RESISTANCE: No data available

### Hand protection:

Gloves

### Eye protection:

Face shield. In case of dust production: protective goggles

### Skin and body protection:

Corrosion-proof clothing. In case of dust production: head/neck protection

### Respiratory protection:

Dust production: dust mask with filter type P3. On heating: gas mask with filter type Hg. High dust production: self-contained breathing apparatus

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	: Solid
Appearance	: Crystalline solid. Crystalline powder. Grains.
Molecular mass	: 271.5 g/mol
Colour	: White or colourless.
Odour	: Odourless.
Odour threshold	: No data available
pH	: 3.2 (1.5 %)
pH solution	: 1.5 %

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Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: 277 °C
Freezing point	: No data available
Boiling point	: 302 °C
Flash point	: Not applicable
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: 0.0001 hPa (20 °C)
Vapour pressure at 50 °C	: 0.0025 hPa (50 °C)
Relative vapour density at 20 °C	: 9.8
Relative density	: 5.4
Density	: 5440 kg/m <sup>3</sup>
Solubility	: Moderately soluble in water. Substance sinks in water. Soluble in ethanol. Soluble in acetone. Soluble in dimethyl sulfoxide. Soluble in methanol. Soluble in hydrogenchloride. Soluble in glycerol. Soluble in acetic acid. Soluble in pyridine. Soluble in ethylacetate. Water: 7.4 g/100ml Ethanol: 33 g/100ml Ether: 4 g/100ml
Log Pow	: 0.1 - 0.22 (Calculated)
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

### 9.2. Other information

Saturation concentration	: 0.0011 g/m <sup>3</sup>
VOC content	: 0 %
Other properties	: Substance has acid reaction.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

On burning: release of toxic and corrosive gases/vapours (hydrogen chloride, mercury vapours). Decomposes slowly on exposure to light. Reacts violently with (some) bases and with (strong) oxidizers: release of heat. Reacts violently with (some) metals: (increased) risk of fire/explosion.

### 10.2. Chemical stability

Unstable on exposure to light.

### 10.3. Possibility of hazardous reactions

No additional information available

### 10.4. Conditions to avoid

No additional information available

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

No additional information available

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity : Oral: Fatal if swallowed.

Mercury(II) chloride (7487-94-7)	
LD50 oral rat	1 mg/kg (Rat)
LD50 dermal rat	41 mg/kg (Rat)

Skin corrosion/irritation : Causes severe skin burns and eye damage.  
pH: 3.2 (1.5 %)

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Serious eye damage/irritation	: Serious eye damage, category 1, implicit pH: 3.2 (1.5 %)
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Suspected of causing genetic defects.
Carcinogenicity	: Not classified
Reproductive toxicity	: Suspected of damaging fertility.
STOT-single exposure	: Not classified
STOT-repeated exposure	: Causes damage to organs through prolonged or repeated exposure.
Aspiration hazard	: Not classified
IARC group	: 2B

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general	: Dangerous for the environment.
Ecology - air	: Not classified as dangerous for the ozone layer (Regulation (EC) No 1005/2009). Not included in the list of fluorinated greenhouse gases (Regulation (EC) No 842/2006). TA-Luft Klasse 5.2.2/l.
Ecology - water	: Ground water pollutant. Maximum concentration in drinking water: 0.0010 mg/l (mercury) (Directive 98/83/EC); 250 mg/l (chloride) (Directive 98/83/EC). Highly toxic to fishes. Very toxic to invertebrates (Daphnia). Inhibits photosynthesis of algae. Highly toxic to bacteria. pH shift.

Mercury(II) chloride (7487-94-7)	
LC50 fish 1	0.03 mg/l (LC50; 96 h)
EC50 Daphnia 2	0.003 mg/l (EC50; 48 h)
Threshold limit algae 2	0.07 mg/l (EC0)

### 12.2. Persistence and degradability

Mercury(II) chloride (7487-94-7)	
Persistence and degradability	Biodegradability: not applicable. No (test)data on mobility of the substance available.
Biochemical oxygen demand (BOD)	Not applicable
Chemical oxygen demand (COD)	Not applicable
ThOD	Not applicable

### 12.3. Bioaccumulative potential

Mercury(II) chloride (7487-94-7)	
BCF fish 1	10000 (BCF)
BCF fish 2	500 - 4620 (BCF)
BCF other aquatic organisms 1	10000 (BCF)
Log Pow	0.1 - 0.22 (Calculated)
Bioaccumulative potential	Potential for bioaccumulation ( $500 \leq \text{BCF} \leq 5000$ ).

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

No additional information available

### 12.6. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Product/Packaging disposal recommendations	: Remove waste in accordance with local and/or national regulations. Hazardous waste shall not be mixed together with other waste. Different types of hazardous waste shall not be mixed together if this may entail a risk of pollution or create problems for the further management of the waste. Hazardous waste shall be managed responsibly. All entities that store, transport or handle hazardous waste shall take the necessary measures to prevent risks of pollution or damage to people or animals. Recycle/reuse. Remove for physico-chemical/biological treatment. Remove to an authorized dump (Class I). Do not discharge into surface water (Directive 2000/60/EC, Council Decision 2455/2001/EC).
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Additional information : LWCA (the Netherlands): KGA category 05. Hazardous waste according to Directive 2008/98/EC.

European List of Waste (LoW) code : 06 03 13\* - solid salts and solutions containing heavy metals

### SECTION 14: Transport information

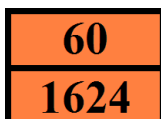
In accordance with ADR / RID / IMDG / IATA / ADN

ADR	IMDG	IATA	ADN	RID
<b>14.1. UN number</b>				
1624	1624	1624	1624	1624
<b>14.2. UN proper shipping name</b>				
MERCURIC CHLORIDE	MERCURIC CHLORIDE	Mercuric chloride	MERCURIC CHLORIDE	MERCURIC CHLORIDE
<b>Transport document description</b>				
UN 1624 MERCURIC CHLORIDE, 6.1, II, (D/E), ENVIRONMENTALLY HAZARDOUS	UN 1624 MERCURIC CHLORIDE, 6.1, II, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS	UN 1624 Mercuric chloride, 6.1, II, ENVIRONMENTALLY HAZARDOUS	UN 1624 MERCURIC CHLORIDE, 6.1, II, ENVIRONMENTALLY HAZARDOUS	UN 1624 MERCURIC CHLORIDE, 6.1, II, ENVIRONMENTALLY HAZARDOUS
<b>14.3. Transport hazard class(es)</b>				
6.1	6.1	6.1	6.1	6.1
<b>14.4. Packing group</b>				
II	II	II	II	II
<b>14.5. Environmental hazards</b>				
Dangerous for the environment : Yes	Dangerous for the environment : Yes Marine pollutant : Yes	Dangerous for the environment : Yes	Dangerous for the environment : Yes	Dangerous for the environment : Yes
No supplementary information available				

### 14.6. Special precautions for user

#### - Overland transport

Classification code (ADR) : T5  
Limited quantities (ADR) : 500g  
Excepted quantities (ADR) : E4  
Packing instructions (ADR) : P002, IBC08  
Special packing provisions (ADR) : B4  
Mixed packing provisions (ADR) : MP10  
Portable tank and bulk container instructions (ADR) : T3  
Portable tank and bulk container special provisions (ADR) : TP33  
Tank code (ADR) : SGAH  
Tank special provisions (ADR) : TU15, TE19  
Vehicle for tank carriage : AT  
Transport category (ADR) : 2  
Special provisions for carriage - Packages (ADR) : V11  
Special provisions for carriage - Loading, unloading and handling (ADR) : CV13, CV28  
Special provisions for carriage - Operation (ADR) : S9, S19  
Hazard identification number (Kemler No.) : 60  
Orange plates :





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Tunnel restriction code (ADR) : D/E

EAC code : 2X

### - Transport by sea

Transport regulations (IMDG) : Subject

Limited quantities (IMDG) : 500 g

Excepted quantities (IMDG) : E4

Packing instructions (IMDG) : P002

IBC packing instructions (IMDG) : IBC08

IBC special provisions (IMDG) : B2, B4

Tank instructions (IMDG) : T3

Tank special provisions (IMDG) : TP33

EmS-No. (Fire) : F-A

EmS-No. (Spillage) : S-A

Stowage category (IMDG) : A

Properties and observations (IMDG) : White crystals or powder. Soluble in water. Toxic if swallowed, by skin contact or by dust inhalation.

MFAG-No : 154

### - Air transport

Transport regulations (IATA) : Subject to the provisions

PCA Excepted quantities (IATA) : E4

PCA Limited quantities (IATA) : Y644

PCA limited quantity max net quantity (IATA) : 1kg

PCA packing instructions (IATA) : 669

PCA max net quantity (IATA) : 25kg

CAO packing instructions (IATA) : 676

CAO max net quantity (IATA) : 100kg

ERG code (IATA) : 6L

### - Inland waterway transport

Classification code (ADN) : T5

Special provisions (ADN) : 802

Limited quantities (ADN) : 500 g

Excepted quantities (ADN) : E4

Equipment required (ADN) : PP, EP

Number of blue cones/lights (ADN) : 2

### - Rail transport

Transport regulations (RID) : Subject

Classification code (RID) : T5

Limited quantities (RID) : 500g

Excepted quantities (RID) : E4

Packing instructions (RID) : P002, IBC08

Special packing provisions (RID) : B4

Mixed packing provisions (RID) : MP10

Portable tank and bulk container instructions (RID) : T3

Portable tank and bulk container special provisions (RID) : TP33

Tank codes for RID tanks (RID) : SGAH

Special provisions for RID tanks (RID) : TU15

Transport category (RID) : 2

Special provisions for carriage – Packages (RID) : W11

Special provisions for carriage - Loading, unloading and handling (RID) : CW13, CW28, CW31

Colis express (express parcels) (RID) : CE9

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Hazard identification number (RID) : 60

### 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### 15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Mercury(II) chloride is not on the REACH Candidate List

Mercury(II) chloride is not on the REACH Annex XIV List

VOC content : 0 %

#### 15.1.2. National regulations

##### Germany

VwVwS Annex reference : Water hazard class (WGK) 3, severe hazard to waters (Classification according to VwVwS, Annex 1 or 2; ID No. 180)

WGK remark : Classification water polluting in compliance with Verwaltungsvorschrift wassergefährdender Stoffe (VwVwS) of 27 July 2005 (Anhang 2)

12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV : Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

##### Netherlands

Waterbevaarlijkheid : 1 - Black list substance

SZW-lijst van kankerverwekkende stoffen : The substance is not listed

SZW-lijst van mutagene stoffen : The substance is not listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding : The substance is not listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid : Mercury(II) chloride is listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling : The substance is not listed

##### Denmark

Recommendations Danish Regulation : Young people below the age of 18 years are not allowed to use the product  
Pregnant/breastfeeding women working with the product must not be in direct contact with the product

The requirements from the Danish Working Environment Authorities regarding work with carcinogens must be followed during use and disposal

### 15.2. Chemical safety assessment

No additional information available

## SECTION 16: Other information

Abbreviations and acronyms:

ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
EC50	Median effective concentration
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
PBT	Persistent Bioaccumulative Toxic
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006

# Mercury(II) chloride

## Safety Data Sheet

according to Regulation (EU) 2015/830

Date of issue: 05/04/2017 Version: 0.0

Doc. No: SDS-947.026/1



RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
vPvB	Very Persistent and Very Bioaccumulative

Data sources : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Full text of H- and EUH-statements:	
Acute Tox. 2 (Oral)	Acute toxicity (oral), Category 2
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Muta. 2	Germ cell mutagenicity, Category 2
Repr. 2	Reproductive toxicity, Category 2
Skin Corr. 1B	Skin corrosion/irritation, Category 1B
STOT RE 1	Specific target organ toxicity — Repeated exposure, Category 1
H300	Fatal if swallowed
H314	Causes severe skin burns and eye damage
H341	Suspected of causing genetic defects
H361f	Suspected of damaging fertility
H372	Causes damage to organs through prolonged or repeated exposure
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects

SDS ISOLAB

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product*