

Safety Data Sheet

according to Regulation (EC) No 1907/2006

LCW 925 Chlorid-Eliminations-Set/ Chloride elimination set

Revision date: 11.04.2017

Product code: LCW925

Page 1 of 8

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

1.1. Product identifier

LCW 925 Chlorid-Eliminations-Set/ Chloride elimination set

CAS No: 20667-12-3

EC No: 243-957-1

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

Use of the substance/mixture

Water analysis

1.3. Details of the supplier of the safety data sheet

Company name: HACH LANGE GmbH

Street: Willstätterstr. 11

Place: D-40549 Düsseldorf

Telephone: +49 (0)211 5288-383

e-mail: SDS@hach.com

Internet: www.de.hach.com

Responsible Department: HACH LANGE Ltd.

5, Pacific Way

Salford Manchester M50 1DL - United Kingdom

Tel. +44 (0) 161 872 1487 * Fax +44 (0) 161 848 7324

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HACH LANGE Ltd.

Unit 1, Chestnut Road Western Industrial Estate

IRL-Dublin 12

Tel. +353 (0)1 4602522

e-Mail: info-ie@hach.com

1.4. Emergency telephone number:

Poison Control Center Mainz: Tel: +49 (0) 6131 19240 - 24 hour emergency service -

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No. 1272/2008

Hazard categories:

Oxidising solid: Ox. Sol. 2

Skin corrosion/irritation: Skin Corr. 1B

Hazard Statements:

May intensify fire; oxidiser.

Causes severe skin burns and eye damage.

2.2. Label elements

Regulation (EC) No. 1272/2008

Hazard components for labelling

Silver oxide

Signal word: Danger

Pictograms:



Safety Data Sheet

according to Regulation (EC) No 1907/2006

LCW 925 Chlorid-Eliminations-Set/ Chloride elimination set

Revision date: 11.04.2017

Product code: LCW925

Page 2 of 8

Hazard statements

- H272 May intensify fire; oxidiser.
 H314 Causes severe skin burns and eye damage.

Precautionary statements

- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P310 Immediately call a POISON CENTER/doctor.

Special labelling of certain mixtures

- EUH044 Risk of explosion if heated under confinement.

Additional advice on labelling

The product is classified as dangerous in accordance with Regulation (EC) No. 1272/2008.

2.3. Other hazards

None known.

SECTION 3: Composition/information on ingredients

3.1. Substances

Hazardous components

CAS No	Chemical name	Quantity
	EC No	
	Index No	
	REACH No	
	Classification according to Regulation (EC) No. 1272/2008 [CLP]	
20667-12-3	Silver oxide	100 %
	243-957-1	
	Ox. Sol. 2, Skin Corr. 1B; H272 H314 EUH044	

Full text of H and EUH statements: see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Take off all contaminated clothing immediately.
 Show this safety data sheet to the doctor in attendance.

After inhalation

Move to fresh air.

After contact with skin

Wash off immediately with plenty of water.

After contact with eyes

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

After ingestion

Clean mouth with water and drink afterwards plenty of water.

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

None known.

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

Treat symptomatically.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

LCW 925 Chlorid-Eliminations-Set/ Chloride elimination set

Revision date: 11.04.2017

Product code: LCW925

Page 3 of 8

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. The product itself does not burn.

5.2. Special hazards arising from the substance or mixture

Fire may liberate hazardous vapours.

5.3. Advice for firefighters

In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.

Additional information

Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Use personal protective equipment.

6.2. Environmental precautions

Do not flush into surface water or sanitary sewer system.

6.3. Methods and material for containment and cleaning up

Use mechanical handling equipment.

6.4. Reference to other sections

13. Disposal considerations

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Use only in well-ventilated areas.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

The product should only be used in areas from which all naked lights and other sources of ignition have been excluded.

Keep in a dry, cool place.

7.3. Specific end use(s)

Reagent for analysis

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Additional advice on limit values

None known.

8.2. Exposure controls

Appropriate engineering controls

Technical measures and appropriate working operations should be given priority over the use of personal protective equipment.

Protective and hygiene measures

The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

LCW 925 Chlorid-Eliminations-Set/ Chloride elimination set

Revision date: 11.04.2017

Product code: LCW925

Page 4 of 8

Wash hands before breaks and after work.

Eye/face protection

Safety glasses with side-shields

Hand protection

Use barrier skin cream.

Chemical resistant gloves made of butyl rubber or nitrile rubber category III according to EN 374. In full contact:

Gloves material: Viton, Layer thickness: 0.70 mm, Breakthrough time: >480 min. In splash contact: Glove material: nitrile rubber, Layer thickness 0,20 mm, Breakthrough time: > 30 min

Skin protection

Remove and wash contaminated clothing before re-use.

Respiratory protection

Avoid breathing dust or vapour.

Provide adequate ventilation.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	powder
Colour:	black
Odour:	odourless
pH-Value:	no data available

Changes in the physical state

Melting point:	> 200 °C
Initial boiling point and boiling range:	not applicable
Sublimation point:	not applicable
Softening point:	not applicable
Pour point:	no data available
:	no data available
Flash point:	not applicable
Sustaining combustion:	No data available

Flammability

Solid:	not applicable
Gas:	not applicable

Explosive properties

not applicable

Lower explosion limits:	not applicable
Upper explosion limits:	not applicable
Ignition temperature:	not applicable

Auto-ignition temperature

Solid:	not applicable
Gas:	not applicable

Decomposition temperature: no data available

Oxidizing properties

not applicable

Vapour pressure:	not applicable
Vapour pressure:	no data available
Density (at 20 °C):	7,2 g/cm ³
Bulk density:	no data available

Safety Data Sheet

according to Regulation (EC) No 1907/2006

LCW 925 Chlorid-Eliminations-Set/ Chloride elimination set

Revision date: 11.04.2017

Product code: LCW925

Page 5 of 8

Water solubility: insoluble
(at 20 °C)

Solubility in other solvents

no data available

Partition coefficient: not applicable

Viscosity / dynamic: not applicable

Viscosity / kinematic: not applicable

Flow time: not applicable

Vapour density: not applicable

Evaporation rate: not applicable

Solvent separation test: not applicable

Solvent content: not applicable

9.2. Other information

Solid content: not applicable

no data available

SECTION 10: Stability and reactivity

10.1. Reactivity

No dangerous reaction known under conditions of normal use.

10.2. Chemical stability

Stable under recommended storage conditions.

10.3. Possibility of hazardous reactions

Hazardous polymerisation does not occur.

10.4. Conditions to avoid

Heat, flames and sparks.

10.5. Incompatible materials

Oxides of phosphorus

Sulphur compounds

Ammonia

Alkali metals

Alkaline earth metals

10.6. Hazardous decomposition products

No decomposition if stored and applied as directed.

Further information

Stable under recommended storage conditions.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicokinetics, metabolism and distribution

No toxicology information is available.

Irritation and corrosivity

No known effect.

Sensitising effects

No known effect.

Carcinogenic/mutagenic/toxic effects for reproduction

Safety Data Sheet

according to Regulation (EC) No 1907/2006

LCW 925 Chlorid-Eliminations-Set/ Chloride elimination set

Revision date: 11.04.2017

Product code: LCW925

Page 6 of 8

Contains no ingredient listed as a carcinogen

Aspiration hazard

No aspiration toxicity classification

Specific effects in experiment on an animal

LD50/oral/rat = 2820 mg/kg

Further information

Handle in accordance with good industrial hygiene and safety practice.

SECTION 12: Ecological information**12.1. Toxicity**

No data is available on the product itself.
Do not flush into surface water or sanitary sewer system.

12.2. Persistence and degradability

No data is available on the product itself.

12.3. Bioaccumulative potential

No data is available on the product itself.

12.4. Mobility in soil

no data available

12.5. Results of PBT and vPvB assessment

no data available

12.6. Other adverse effects

No known effect.

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Advice on disposal**

In accordance with local and national regulations.
Dispose of in accordance with the European Directives on waste and hazardous waste.

Contaminated packaging

Dispose of as unused product.
The hazard and precautionary statements displayed on the label also apply to any residues left in the container.

SECTION 14: Transport information**Land transport (ADR/RID)**

14.1. UN number:	UN 3316
14.2. UN proper shipping name:	Chemical kit
14.3. Transport hazard class(es):	9
14.4. Packing group:	II
Hazard label:	9



Classification code:	M11
Special Provisions:	251 340
Limited quantity:	SP251
Excepted quantity:	SP340
Transport category:	2
Hazard No:	-

Safety Data Sheet

according to Regulation (EC) No 1907/2006

LCW 925 Chlorid-Eliminations-Set/ Chloride elimination set

Revision date: 11.04.2017

Product code: LCW925

Page 7 of 8

Tunnel restriction code:	E	
Inland waterways transport (ADN)		
14.2. UN proper shipping name:	Not tested	
Marine transport (IMDG)		
14.1. UN number:	UN 3316	
14.2. UN proper shipping name:	CHEMICAL KIT	
14.3. Transport hazard class(es):	9	
14.4. Packing group:	II	
Hazard label:	9	
Marine pollutant:	-	
Special Provisions:	251, 340	
Limited quantity:	See SP251	
Excepted quantity:	SP340	
EmS:	F-A, S-P	
Air transport (ICAO-TI/IATA-DGR)		
14.1. UN number:	UN 3316	
14.2. UN proper shipping name:	CHEMICAL KIT	
14.3. Transport hazard class(es):	9	
14.4. Packing group:	II	
Hazard label:	9	
Special Provisions:	A44 A163	
Limited quantity Passenger:	1 kg	
Passenger LQ:	Y960	
Excepted quantity:	E0	
IATA-packing instructions - Passenger:		960
IATA-max. quantity - Passenger:		10 kg
IATA-packing instructions - Cargo:		960
IATA-max. quantity - Cargo:		10 kg
14.5. Environmental hazards		
ENVIRONMENTALLY HAZARDOUS:	no	
14.6. Special precautions for user		
Use personal protective equipment.		
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

EU regulatory information

Additional information

The product is classified as dangerous in accordance with Regulation (EC) No. 1272/2008.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

LCW 925 Chlorid-Eliminations-Set/ Chloride elimination set

Revision date: 11.04.2017

Product code: LCW925

Page 8 of 8

National regulatory information

Employment restrictions: Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC).
Water contaminating class (D): 2 - clearly water contaminating

15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

Changes

Revision Date 11.04.2017

Safety datasheet sections which have been updated: 2, 9, 14, 15

Revision: 15.10.2014

Safety datasheet sections which have been updated: 2, 9

Relevant H and EUH statements (number and full text)

H272 May intensify fire; oxidiser.
H314 Causes severe skin burns and eye damage.
EUH044 Risk of explosion if heated under confinement.

Further Information

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