SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006
Version 6; Print Date 08.02.2019

SECTION 1 - IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifiers

Product name : **Cesium chloride**
Synonyms: CsCl
CAS-No. : 7647-17-8, EC-No. : 231-600-2, HS Code: 28276090
REACH No. : A registration number is not available for this substance as the substance or its uses are exempted from registration, the annual tonnage does not require a registration or the registration is envisaged for a later registration deadline.

1.2 Intended use substance or mixture

Laboratory chemicals, Manufacture of substances

1.3 Details of the supplier of the safety data sheet

Company :
UAB CANCHEMA
Piliakalnio st.7, LT-06229 Vilnius, Lithuania
info@canchema.com

1.4. For information in Europe, call: + 32 14 57 52 11
Emergency Number, Europe: + 32 14 57 52 99

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

Substance name: CESIUM CHLORIDE
Synonyms : CsCl
Formula : CsCl
Molecular Weight : 168.36 g/mol
Content: 99,99%
CAS-No. : 7647-17-8
EC-No. : 231-600-2
HS Code: 28276090

SECTION 3 - HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008
Reproductive toxicity (Category 2), H361

2.2 Classification of the substance or mixture according to Regulation (EC) No 1272/2008

Physical hazards
H361: Suspected of damaging fertility or the unborn child

Prevention precautionary statements

P280: Wear protective gloves/ protective clothing/ eye protection/ face protection.

2.3 Other hazards
This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

SECTION 4 - FIRST AID MEASURES

Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhaled
If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact
Wash off with soap and plenty of water. Consult a physician.

In case of eye contact
Flush eyes with water as a precaution.

If swallowed
Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

SECTION 5 - FIRE FIGHTING MEASURES

General Information: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.
Extinguishing Media: Use water spray, dry chemical, carbon dioxide, or chemical foam.
Flash Point: Not available.
Autoignition Temperature: Not available.
Explosion Limits, Lower:Not available, Upper: Not available.
NFPA Rating: Health: 2; Flammability: 0; Instability: 0

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Use proper personal protective equipment as listed in Section 8.
Spills/Leaks: Vacuum or sweep up material and place into a suitable disposal container. Avoid dust formation. Avoid breathing dust and mist. Ensure adequate ventilation.

SECTION 7 - HANDLING AND STORAGE

IRRITANT. HYGROSCOPIC. Store protected from moisture. Store in a tightly closed container. Store in a dry, cool place (in the refrigerator is recommended) and away from incompatible substances (oxidants).
Keep away from sunlight.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls:

Facilities storing and utilizing this material should be equipped with an eye wash and a safety shower facility.

Personal Protective Equipment

Eyes: Wear chemical safety goggles approved NIOSH (US) or EN 166(EU).
Skin: Wear appropriate protective gloves.
Clothing: Wear appropriate protective clothing.
Respirators: Wear respirators approved NIOSH (US) or CEN (EU) .

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Powder
Color: white
Odor: Not data available
Vapor Pressure: Not available
Vapor Density: Not available
Evaporation Rate: Not available
Viscosity: Not available
Boiling Point: Not available
Freezing/Melting Point: 645 deg C (lit.)
Decomposition Temperature: Not available
Solubility in water: 1,000 g/l at 20 °C - OECD Test Guideline 105 - soluble
Specific Gravity/Density: 3.988 g/cm3
Molecular Formula: CsCl
Molecular Weight: 168.36
Surface tension: 72.8 mN/m at 1 at 20 °C

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity
no data available
10.2 Chemical stability
Stable under recommended storage conditions.
10.3 Possibility of hazardous reactions
no data available
10.4 Conditions to avoid
Avoid moisture
10.5 Incompatible materials
Strong oxidizing agents, Strong acids
10.6 Hazardous decomposition products
Other decomposition products - no data available

In the event of fire: see section 5

SECTION 11 - TOXICOLOGICAL INFORMATION

Unless otherwise specified data extracted from RTECS – Register of Toxic Effects of Chemical Substances.

Toxicity

Oral (rat) LD50: 2,004 mg/kg

Additional Information

Repeated dose toxicity - Rat - male and female - Oral - No observed adverse effect level: 40 mg/kg

SECTION 12 - ECOLOGICAL INFORMATION

No data available

SECTION 13 - DISPOSAL CONSIDERATIONS

Product

Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.

Contaminated packaging

Dispose of as unused product.

SECTION 14 - TRANSPORT INFORMATION

Not regulated for transport.

SECTION 15 - REGULATORY INFORMATION

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SECTION 16 - OTHER INFORMATION